



STIC Search Report

Biotech-Chem Library

STIC Database Tracking Number: 123875

TO: Anish Gupta
Location: rem/3c153d11
Art Unit: 1654
Monday, June 07, 2004

Case Serial Number: 09507166

From: Edward Hart
Location: Biotech-Chem Library
REM-1A55
Phone: 571-272-2512

edward.hart@uspto.gov

Search Notes

Examiner Gupta,

Here are the results of the search you requested.

Please feel free to contact me if you have any questions.

Edward Hart



STIC SEARCH RESUL FEEDBACK FORM

Biotech-Chem Library

Questions about the scope or the results of the search? Contact *the searcher* or *contact*:

Mary Hale, Information Branch Supervisor
571-272-2507 Remsen E01 D86

Voluntary Results Feedback Form

➤ I am an examiner in Workgroup: Example: 1610

➤ Relevant prior art **found**, search results used as follows:

- ☐ 102 rejection
- ☐ 103 rejection
- ☐ Cited as being of interest.
- ☐ Helped examiner better understand the invention.
- ☐ Helped examiner better understand the state of the art in their technology.

Types of relevant prior art found:

- ☐ Foreign Patent(s)
- ☐ Non-Patent Literature
(journal articles, conference proceedings, new product announcements etc.)

➤ Relevant prior art **not found**:

- ☐ Results verified the lack of relevant prior art (helped determine patentability).
- ☐ Results were not useful in determining patentability or understanding the invention

Comments:

Drop off or send completed forms to STIC/Biotech-Chem Library Remsen Bldg.



Mon Jun 7 09:14:19 2004

us-09-507-166-38.rnpm

Page 1

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: June 6, 2004, 22:15:00 ; Search time 4191 Seconds
(without alignments)
6598.972 Million cell updates/sec

Title: US-09-507-166-38
Perfect score: 786
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Scoring table: IDENTITY NUC
Gapop 10.0, Gapext 1.0

Searched: 37577330 seqs, 17593059518 residues

Total number of hits satisfying chosen parameters: 75154660

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database:

Pending Patents NA Main:*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

CURRENT FILING DATE: 1999-10-05
NUMBER OF SEQ ID NOS: 2540
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 1041
LENGTH: 780
TYPE: DNA
ORGANISM: Arabidopsis thaliana
FEATURE:
OTHER INFORMATION: any n or xaa = unknown
US-09-413-198-1041

Query Match 64.7%; Score 508.2; DB 20; Length 780;
Best Local Similarity 78.4%; Pred. No. 1.9e-132;
Matches 609; Conservative 0; Mismatches 168; Indels 0; Gaps 0;

QY 1 ATGGCTTCGGGCGAGAGAAAGTGTTCATGAGTGAAGTGGCTGAAGGCTGAAGT 60
DB 1 ATGGCGCTGGGCGTGAAGAGTTCGTATACATGCTTAAGCTCGCGAGCAAGCGAGAG 60
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RESULT 3
US-10-361-942-1456
Sequence 1456, Application US/10361942
GENERAL INFORMATION:
APPLICANT: Lutiyya, Linda L.

TITLE OF INVENTION: Nucleic Acid Molecules And Other Molecules Associated With
FILE OF INVENTION: Transcription In Plants
FILE REFERENCE: 38-21(15300)K
CURRENT APPLICATION NUMBER: US/10/361,942
PRIORITY FILING DATE: 2003-02-10
PRIORITY APPLICATION NUMBER: US 60/356,051
PRIORITY FILING DATE: 2002-02-11
NUMBER OF SEQ ID NOS: 2906
SEQ ID NO 1456
LENGTH: 780
TYPE: DNA
ORGANISM: Arabidopsis thaliana
FEATURE:
OTHER INFORMATION: clone ID: AT_F3F9.C1.016.tg
US-10-361-942-1456

Query Match 64.7%; Score 508.2; DB 50; Length 780;
Best Local Similarity 78.4%; Pred. No. 1.9e-132;
Matches 609; Conservative 0; Mismatches 168; Indels 0; Gaps 0;

QY 1 ATGGCTTCGGGCGAGAGAAAGTGTTCATGAGTGAAGTGGCTGAAGGCTGAAGT 60
DB 1 ATGGCGCTGGGCGTGAAGAGTTCGTATACATGCTTAAGCTCGCGAGCAAGCGAGAG 60
QY 61 TACGAAGAAATGTTGATTCATGAGAAAAGTTCCGCTGCTGTTGACGCTGAAGT 120
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; Sequence 482, Application US/60356051
; GENERAL INFORMATION:
; APPLICANT: Monsanto Technology LLC
; APPLICANT: Lutfiyva, Linda L.
; TITLE OF INVENTION: NUCLEIC ACIDS AND OTHER MOLECULES ASSOCIATED WITH
; TITLE OF INVENTION: TRANSCRIPTION IN PLANTS
; FILE REFERENCE: 38-21 (15300)I
; CURRENT APPLICATION NUMBER: US/60/356,051
; CURRENT FILING DATE: 2002-02-11
; NUMBER OF SEQ ID NOS: 2926
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 482
; LENGTH: 780
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-60-356-051-482

Query Match 64.7%; Score 508.2; DB 92; Length 780;
Best Local Similarity 78.4%; Pred. No. 1.9e-132; Indels 0; Gaps 0;
Matches 609; Conservative 0; Mismatches 168; Indels 0; Gaps 0;

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; Sequence 34295, Application US/10155881
; GENERAL INFORMATION:
; APPLICANT: Dotson, Stanton B.
; APPLICANT: Kovalic, David K.
; APPLICANT: Liu, Jingdong
; APPLICANT: Lutfiyva, Linda L.
; APPLICANT: McIninch, James
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES AND OTHER MOLECULES ASSOCIATED WITH
; TITLE OF INVENTION: TRANSCRIPTION IN PLANTS
; FILE REFERENCE: 38-21(15300)J
; CURRENT APPLICATION NUMBER: US/10/155,881
; CURRENT FILING DATE: 2002-05-22
; NUMBER OF SEQ ID NOS: 37595
; SEQ ID NO 34295
; LENGTH: 1270
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-10-155-881-34295

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Best Local Similarity 78.4%; Pred. No. 2.2e-132; Indels 0; Gaps 0;
Matches 609; Conservative 0; Mismatches 168; Indels 0; Gaps 0;

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QY 661 ACCCTGATCATGACGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 720

Db 859 ACCGTGATGACAGCTTCTTCTGACAACTCACTCTGACATCTGATATGCGAGAT 918
 Qy 721 GACGCTGCTACAAATCAAGAGAGCTGCTCCGAAACCGAACGAGACAGCAG 777
 Db 919 GATGCTGCGATGATGATCAAGAGAGCAGCGCCCAAAACCGAACGAGACAGCAG 975

RESULT 6

US-09-513-996A-55791
 ; Sequence 55791, Application US/09513996A
 ; GENERAL INFORMATION:
 ; APPLICANT: N. ALEXANDROV et al.
 ; TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES
 ; FILE REFERENCE: 2750-709P
 ; CURRENT APPLICATION NUMBER: US/09/513,996A
 ; CURRENT FILING DATE: 2000-02-25
 ; NUMBER OF SEQ. ID NOS: 81028
 ; SEQ. ID NO 55791
 ; LENGTH: 1283
 ; TYPE: DNA
 ; ORGANISM: Arabidopsis thaliana
 ; FEATURE:
 ; NAME/KEY: UNSURE
 ; LOCATION: 1..1283
 ; OTHER INFORMATION: any n or xaa = unknown
 ; FEATURE:
 ; OTHER INFORMATION: Location 1..1283 / Ceres Seq. ID 2114087
 ; US-09-513-996A-55791

Query Match 64.7%; Score 508.2; DB 21; Length 1283;
 Best Local Similarity 78.4%; Pred. No. 2,2e-132;

Matches 609; Conservative 0; Mismatches 168; Indels 0; Gaps 0;

Qy 1 ATGGCTTCGGCAGAGAGAACTGTTTACATGCTAGACTGGCTGAACAGCTGAACGT 60
 Db 213 ATGGCGTCTGGGCGTGAAGATTGATATCATGCTAGACTCGCGAGCAGCGAGAGG 272
 Qy 61 TACGAAAGAAATGTTGAATTCATGAGAAAGTTCCGCTGCTTACAGTGAAGAGT 120
 Db 273 TACGAAAGAAATGTTGAATTCATGAGAAAGTTCCGCTGCTTACAGTGAAGAGT 332
 Qy 121 ACCGTTAAGAAAGTAACTGCTGCTCGTTGCTTACAAAACGTTACGCTGCTCGT 180
 Db 333 ACCGTAGAAAGGAAATCTTCTCGCTGCTTATAGATGATGATGCTGCTCGCT 392
 Qy 181 GCTTCTCGGCGTATCATCTCTCATGAGAACAGAAAGAAATCCGCTGTTACAGCAG 240
 Db 393 GCTCTCGGCGTATCATCTCTCATGAGAACAGAAAGAAATCCGCTGTTACAGTGA 452
 Qy 241 CAGTTACCGCTATCCGTTGAATACCGTTCAAAATCGAAACCGAACTGTCGGTATCTGC 300
 Db 453 CAGTCAACGCGAATCCGTTGAATACCGTTCAAAATCGAAACCGAACTGTCGGTATCTGC 512
 Qy 301 GACGGTATCTGAAAGTCTGGAATCCGCTGTAATCCGCTGCTGCTTCCGTTGACTCC 360
 Db 513 GACGGAATCTTAAATGCTGTAATCCGCTGTAATCCGCTGCTGCTTCCGTTGACTCC 572
 Qy 361 AAAGTTTCTACCTGAAATGAAGAGTATACACCGGTAACCTGCTGCTGTTAAAC 420
 Db 573 AAAGTTTCTACCTGAAATGAAGAGTATACACCGGTAACCTGCTGCTGTTAAAC 632
 Qy 421 GGTGAGAACGTAAGACGCTGCTGAACACACCTGCTGCTTACAAATCCGCTCAGAC 480
 Db 633 GGTGAGAACGTAAGACGCTGCTGAACACACCTGCTGCTTACAAATCCGCTCAGAC 692
 Qy 481 ATGCGTATGCTGAGCTGCTGCGAACCACCGGTAACCTGCTGCTGCTGCTGCTGCTGCT 540
 Db 693 ATGCGTATGCTGAGCTGCTGCGAACCACCGGTAACCTGCTGCTGCTGCTGCTGCTGCT 752
 Qy 541 TCGGTTTCTACTACGAATCTGAACTCCCGGAGCCGCTGCTGCAACCTGCTTAAACG 600

Db 753 TCTGCTTCTATACAGATCTCTCAATTCCTCATGCTGCTTAACTGCCAAACAG 812
 Qy 601 GCTTTCAGAGAGTATGCTGAGCTCGACACCTCGGCTGAAGATCTTACAAAGACTCC 660
 Db 813 GCTTTCAGAGAGTATGCTGAGCTCGACACCTCGGCTGAAGATCTTACAAAGACTCC 872
 Qy 661 ACCGTATGATGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 720
 Db 873 ACCGTATGATGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 932
 Qy 721 GACGCTGCTGAGAAATCAAGAGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 777
 Db 933 GATGCTGCGATGATGATTAAGAGAGCAGCGCCCAAAACCGAACGAGACAGCAG 989

RESULT 7

US-09-565-309A-56917
 ; Sequence 56917, Application US/09565309A
 ; GENERAL INFORMATION:
 ; APPLICANT: ALEXANDROV, Nikolai
 ; TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES
 ; FILE REFERENCE: 2750-0853P
 ; CURRENT APPLICATION NUMBER: US/09/565,309A
 ; CURRENT FILING DATE: 2000-05-05
 ; NUMBER OF SEQ. ID NOS: 68449
 ; SEQ. ID NO 56917
 ; LENGTH: 1283
 ; TYPE: DNA
 ; ORGANISM: Arabidopsis thaliana
 ; FEATURE:
 ; NAME/KEY: misc feature
 ; LOCATION: (1)..(1283)
 ; OTHER INFORMATION: any n = a, g, c, t, unknown, or other
 ; NAME/KEY: misc feature
 ; LOCATION: (1)..(1283)
 ; OTHER INFORMATION: 25284 : OVERLAP (Clone Number : OVERLAP)
 ; US-09-565-309A-56917

Query Match 64.7%; Score 508.2; DB 24; Length 1283;
 Best Local Similarity 78.4%; Pred. No. 2.2e-132;

Matches 609; Conservative 0; Mismatches 168; Indels 0; Gaps 0;

Qy 1 ATGGCTTCGGCAGAGAGAACTGTTTACATGCTAGACTGGCTGAACAGCTGAACGT 60
 Db 213 ATGGCGTCTGGGCGTGAAGATTGATATCATGCTAGACTCGCGAGCAGCGAGAGG 272
 Qy 61 TACGAAAGAAATGTTGAATTCATGAGAAAGTTCCGCTGCTTACAGTGAAGAGT 120
 Db 273 TACGAAAGAAATGTTGAATTCATGAGAAAGTTCCGCTGCTTACAGTGAAGAGT 332
 Qy 121 ACCGTTAAGAAAGTAACTGCTGCTCGTTGCTTACAAAACGTTATCGGCTGCTCGT 180
 Db 333 ACCGTAGAAAGGAAATCTTCTCGCTGCTTATAGATGATGATGCTGCTCGCT 392
 Qy 181 GCTTCTCGGCGTATCATCTCTCATGAGAACAGAAAGAAATCCGCTGTTACAGCAG 240
 Db 393 GCTCTCGGCGTATCATCTCTCATGAGAACAGAAAGAAATCCGCTGTTACAGTGA 452
 Qy 241 CAGTTACCGCTATCCGTTGAATACCGTTCAAAATCGAAACCGAACTGTCGGTATCTGC 300
 Db 453 CAGTCAACGCGAATCCGTTGAATACCGTTCAAAATCGAAACCGAACTGTCGGTATCTGC 512
 Qy 301 GACGGTATCTGAAAGTCTGGAATCCGCTGTAATCCGCTGCTGCTTCCGTTGACTCC 360
 Db 513 GACGGAATCTTAAATGCTGTAATCCGCTGTAATCCGCTGCTGCTTCCGTTGACTCC 572
 Qy 361 AAAGTTTCTACCTGAAATGAAGAGTATACACCGGTAACCTGCTGCTGCTGCTGCTGCT 420
 Db 573 AAAGTTTCTACCTGAAATGAAGAGTATACACCGGTAACCTGCTGCTGCTGCTGCTGCT 632
 Qy 421 GGTGAGAACGTAAGACGCTGCTGAACACACCTGCTGCTTACAAATCCGCTCAGAC 480

QY 305 GTATCTGAAACTGCTGAGACTCCCGTGTGATCCCGGCTGCTGCTTCGGTACTCCAAAG 364
DB 510 GAATCCCTTAAGCTTCTGTGATACTAGACTCGTCTCTGCTGCTCTTCTGGAGATCCAAAG 569
QY 365 TTTTCTACTGAAAAATGAAAGGTACTACACCGGTAACCTGGTGAATTAACCGGTC 424
DB 570 TGTTTTACTTAAAGTAAAGGAGATATATATAGATCTGCTGATGTTTAAAGCTGGTC 629
QY 425 AGGAACCTAAAGACGCTGCTGTAACACACCTGGCTGTTACAAATCCGCTACAGACATCG 484
DB 630 AAGGAGGAAAGAGTGTGCTGTAACATCTCTACACCGCTTCAAAAGCTGCTCAAGATATTG 689
QY 485 CTAAAGCTGAACCTGGCTCCGACCCGATCCGCTGGGTCTGGCTCTGAACTTCTCCG 544
DB 690 CTAAAGCTGAATTTGGCTCCAGCATCCGATCGTCTTGGTCTTGGGTTGAACCTTCTCG 749
QY 545 TTTTCTACTAGAAATCTGAACTCCCGGACCGCTGTTGCAACCTGGCTAAACAGGCTT 604
DB 750 TGTTTTACTATGAGATCTCAATCTCCAGATGCTGCTTGTATCTCGCTAAACAGGCTT 809
QY 605 TCGACGAGCTATGCTGCTGAGCTGACACCTGGGCTGAAGATCTTACAAAGACTCCACCC 664
DB 810 TTGATGAGGAGATGCTGAGATGATCTCTTGTGTAAGATCATCAAGGACAGTACCT 869
QY 665 TGATCATGACAGCTGCTGCTGACACCTGACCCCTGTGAGACCTCCGACATGACAGGACAG 724
DB 870 TGATCATGACAGCTTCTTCTGACATCTCACTCTTGTGACATCTGATATGACAGGATGATG 929
QY 725 CTGCTGACGAATCAAGAAAGCTGCTGCTCCGAAACCGACCGAAGAACAGCAG 777
DB 930 CTGCGGATGAGATCAAGAAAGACGACGCGCAAAACCGACCGAAGAACAGCAG 982

RESULT 10

US-09-684-016-116415
Sequence 116415, Application US/09684016
GENERAL INFORMATION:
APPLICANT: Kovalic, David K.
TITLE OF INVENTION: Llu, Jinsong
FILE REFERENCE: 38-21(15097)D
CURRENT APPLICATION NUMBER: US/09/684,016
CURRENT FILING DATE: 2000-10-10
PRIOR APPLICATION NUMBER: US 09/654,617
PRIOR FILING DATE: 2000-09-05
NUMBER OF SEQ ID NOS: 463173
SEQ ID NO 116415
LENGTH: 1287
TYPE: DNA
ORGANISM: Arabidopsis thaliana
US-09-684-016-116415

Query Match 63.3%; Score 497.8; DB 29; Length 1287;
Best Local Similarity 77.7%; Pred. No. 1,9e-129;
Matches 601; Conservative 0; Mismatches 172; Indels 0; Gaps 0;

QY 5 CTTCGGGACGAGAAAGAACTGCTTTAATGCTGTAAGCTGCTGTAACAGGCTGAACGTTAG 64
DB 210 CCTCAGGAGGAGAAAGTTGTAATGCTGTAAGCTGCTGTAACAGGCTGTAACG 269
QY 65 AAGAAATGCTGAATCATGAGAAAGTTCCGCTGCTGTGACGCTGACGAACTGACCG 124
DB 270 AAGAAATGCTGAATCATGAGAAAGTTCCGCTGCTGTGACGCTGTAACAGGCTGACCG 329
QY 125 TTGAAGACGTAACCTGCTGCTGCTTACAAAGCTTACGAGTGTGCTGCTGCTT 184
DB 330 TCGAAGACGTAATCTCTCTCGCTGCTTACAAAGCTGTAACGAGCTGCTGCTT 389
QY 185 CCGGAGGATCATCTCTCATGAGACAGAAAGAAATCCGCTGTATACGACGACAG 244
DB 390 CCGGAGGATCATCTCTCATGAGACAGAAAGAAAGAGTGTGCTGTAACGATGACAG 449

QY 245 TTACCGCTATCCGTAATACCGTCTCCAAATCGAAACCGAACTGTCCGCTATCTGCAGC 304
DB 450 TTACCTCATCCGTAACGTAACAGAAAGATCGAAACGAACTTCTGAAATCTGTGACG 509
QY 305 GTATCTGAAACTGTGTGACTCCCGTGTGATCCCGGCTGCTGCTTCGGTACTCCAAAG 364
DB 510 GAATCCCTTAAGCTTCTGTGATACTAGACTCGTCTCTGCTGCTCTTCTGGAGATCCAAAG 569
QY 365 TTTTCTACTGAAAAATGAAAGGTACTACACCGGTAACCTGGTGAATTAACCGGTC 424
DB 570 TGTTTTACTTAAAGTAAAGGAGATATATATAGATCTGCTGATGTTTAAAGCTGGTC 629
QY 425 AGGAACCTAAAGACGCTGCTGTAACACACCTGGCTGTTACAAATCCGCTACAGACATCG 484
DB 630 AAGGAGGAAAGAGTGTGCTGTAACATCTCTACACCGCTTCAAAAGCTGCTCAAGATATTG 689
QY 485 CTAAAGCTGAACCTGGCTCCGACCCGATCCGCTGGGTCTGGCTCTGAACTTCTCCG 544
DB 690 CTAAAGCTGAATTTGGCTCCAGCATCCGATCGTCTTGGTCTTGGGTTGAACCTTCTCG 749
QY 545 TTTTCTACTAGAAATCTGAACTCCCGGACCGCTGTTGCAACCTGGCTAAACAGGCTT 604
DB 750 TGTTTTACTATGAGATCTCAATCTCCAGATGCTGCTTGTATCTCGCTAAACAGGCTT 809
QY 605 TCGACGAGCTATGCTGCTGAGCTGACACCTGGGCTGAAGATCTTACAAAGACTCCACCC 664
DB 810 TTGATGAGGAGATGCTGAGATGATCTCTTGTGTAAGATCATCAAGGACAGTACCT 869
QY 665 TGATCATGACAGCTGCTGCTGACACCTGACCCCTGTGAGACCTCCGACATGACAGGACAG 724
DB 870 TGATCATGACAGCTTCTTCTGACATCTCACTCTTGTGACATCTGATATGACAGGATGATG 929
QY 725 CTGCTGACGAATCAAGAAAGCTGCTGCTCCGAAACCGACCGAAGAACAGCAG 777
DB 930 CTGCGGATGAGATCAAGAAAGACGACGCGCAAAACCGACCGAAGAACAGCAG 982

RESULT 11

US-09-733-089-1308
Sequence 1308, Application US/09733089
GENERAL INFORMATION:
APPLICANT: Dotson, Stanton B.
TITLE OF INVENTION: Nucleic Acid Molecules And Other Molecules Associated With
FILE REFERENCE: 38-21(15300)D
CURRENT APPLICATION NUMBER: US/09/733,089
CURRENT FILING DATE: 2000-12-11
PRIOR APPLICATION NUMBER: US 09/474,435
PRIOR FILING DATE: 1999-12-28
PRIOR APPLICATION NUMBER: US 09/654,617
PRIOR FILING DATE: 2000-09-05
PRIOR APPLICATION NUMBER: US 09/620,392
PRIOR FILING DATE: 2000-07-19
NUMBER OF SEQ ID NOS: 24143
SEQ ID NO 1308
LENGTH: 1287
TYPE: DNA
ORGANISM: Arabidopsis thaliana
US-09-733-089-1308

Query Match 63.3%; Score 497.8; DB 31; Length 1287;
Best Local Similarity 77.7%; Pred. No. 1,9e-129;
Matches 601; Conservative 0; Mismatches 172; Indels 0; Gaps 0;

QY 5 CTTCGGGACGAGAAAGAACTGCTTTAATGCTGTAAGCTGCTGTAACAGGCTGAACGTTAG 64
DB 210 CCTCAGGAGGAGAAAGATGCTTGTATACATGCTGCTGTAACAGGCTGCTGTAACG 269

65	QY	ARGAAATGGTTGAATTCATGGMAAAGTTTCCGTGCTGTTGACGGTGAAGAACTCAGCCG	124
270	Db	AAGAAATGGTTGAATTCATGGGAAGAATCGCGGAAGCGTTGACAAAGAAGAACTCAGCCG	329
125	QY	TTGAAGAACGTAACCTGCTGTCCGTTGCTTACAAAAACGTTATCCGTTGCTGCTGCTGCTT	184
330	Db	TCGAAGAACGTAATCTCCTCTCCGTCGTTACAAAACGTCATCGGAGCTCTGCTGCTGCTT	389
185	QY	CTGGCGTATCATCTCTCTCCATTCGAACAGAAGAAGAAATCCCGTGGTAAAGCAACACG	244
390	Db	CGTGAGGAATCATTTTCATCGATCGAAACAAAGGAAGAGAGTCGTGGTAAACGATGAACG	449
245	QY	TTACCGCTATCCGTTGAATACCGTTCCAAAAATCGAAACCGGAACCTGTCGGTATCTCGACG	304
450	Db	TTACGTCGATCGTGACTACAGAGCAAGATCGAAACGGAACCTTCTGAAATCTGTGACG	509
305	QY	GTATCTGAAATCGTGGACATCCCGTCTGATCCCGGCTGCTGCTCCGGTGAATCCAAAG	364
510	Db	GAATCCTTTAAGCTTCTTGATCTAGACTCGCTTCCTGCTGCTTCTGAGATTTGGAAGG	569
365	QY	TTTTTCTACCTGAAATGAAGAGTGACTACCAACCGGTACCTGGCTGAGTTTAAACCGGTC	424
570	Db	TGTTTTTACCTTAAGATGAAGGAGATTATCATAGTACTTGGCTGAGTTTAAGACTGGTC	629
425	QY	AGGAACGTAAGAAGCTGCTGAAACACACCCCTGGCTGTCTACAAATCCGCTCAGGACATCG	484
630	Db	AAGAGAGGAAGATCTGCTGAAACATATCTCTCACCGCTTACAAAGCTGCTCAGGATATTG	689
485	QY	CTAAGCGCTGAATGCTCCGACCCACCGGATCCGCTCGGCTCTGCTCTGAACTTCTCGG	544
690	Db	CTAATGCTGAATTTGGCTCCAAAGCATCCGATTCGCTTTGGCTTTGAACTTCTCTG	749
545	QY	TTTTTCTACTAGAAATCTGAACTCCCGGACCGTGTCTTGCAACCTGGCTTAAACAGGTTT	604
750	Db	TGTTTTTACTATGAGATTTCTAAATCTCCAGATCGTGCCTTGTAATCTCGCTAAGCAGCGT	809
605	QY	TCGACGAAGCTATCGCTGAGCTCGACACCTCGGCTGAAGAAATCCTTACAAGACTCCACCC	664
810	Db	TTGATGAAGCGATTTGCTGAGTTGGATTACTCTTTGGTGAAGAGTCATACAAGGACAGTA	869
665	QY	TGATCATGCAAGCTGCTGGTCACAACCTGACCTCTGGACCTCCGACATGCAAGGACGAG	724
870	Db	TGATCATGCAAGCTTCTCGTGACAAATCTCACTCTCTGGACATCTGATATGCAAGGATGATG	929
725	QY	CTGCTGACGAATCAAGAAGCTGCTGCTCCGAAACCGACCGGAAGAACAGCAG	777
930	Db	CTGCGGATGAGATCAAGGAAGCAGACGGCCAAAACCGACCGAGGACAGAG	982

RESULT 12

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US-09-816-660-1308
/ Sequence 1308, Application US/09816660
/ GENERAL INFORMATION:
/ APPLICANT: Stanton B.
/ APPLICANT: Kotson, David K.
/ APPLICANT: Lii, Jingdong
/ APPLICANT: Lutfiyva, Linda L.
/ APPLICANT: McIninch, James
/ APPLICANT: Wu, Wei
/ TITLE OF INVENTION: Nucleic Acid Molecules And Other Molecules Associated With
/ TITLE OF INVENTION: Transcription In Plants
/ FILE REFERENCE: 38-21(15300)D
/ CURRENT APPLICATION NUMBER: US/09/816,660
/ CURRENT FILING DATE: 2001-03-26
/ PRIOR APPLICATION NUMBER: US 09/474,435
/ PRIOR FILING DATE: 1999-12-28
/ PRIOR APPLICATION NUMBER: US 09/654,617
/ PRIOR FILING DATE: 2000-09-05
/ PRIOR APPLICATION NUMBER: US 09/733,089
/ PRIOR FILING DATE: 2000-12-11
/ PRIOR APPLICATION NUMBER: ) US 09/684,016
/ PRIOR FILING DATE: 2000-10-10
/ PRIOR APPLICATION NUMBER: US 09/620,392

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RESULT 13

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RESULTS 13
US-09-620-394B-445
; Sequence 445, Application US/09620394B
; GENERAL INFORMATION:
; APPLICANT: ALEXANDROV, Nikolai
; APPLICANT: BROVER, Vyacheslav
; TITLE OF INVENTION: Sequence-Determin
; TITLE OF INVENTION: Thereby.

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; PRIOR FILING DATE: 2000-07-19
; NUMBER OF SEQ ID NOS: 24143
; SEQ ID NO 1308
; LENGTH: 1287
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-09-816-860-1308

Query Match      63.3%; Score 497.8; DB 33; Length 1287;
Best local Similarity 77.7%; Pred. No. 1.9e-129;
Matches 601; Conservative 0; Mismatches 172; Indels 0; Gaps 0;

QY 5 CTTCCGGCAGAGAACTGGTTTACATGCTAGACTGGCTGACAGCGCTGAACGTTACG 64
Db 210 CCTCAGCGAGGAGAGTTCGTATACATGCGAAGCTCGCCGACGAGCGGAGCTTACG 269

QY 65 AAGAAATGGTTGAATTCATGGAAAAAGTTTCCGCTGCTGTTGACGGTGAAGAACTGACCG 124
Db 270 AAGAAATGGTTGAATTCATGGAGAAAGTCGGGAAGCCGTTGACAAAGACGAACCTCACCG 329

QY 125 TTGAGNAGCTACCTGCTGCTCGTTGCTTACAAAACGTTATCCGTTGCTGCTGCTGCTT 184
Db 330 TCGAGAACGTAATCTCCTCTCCGTCGCTTACAAAACGTCATCGGAGCTGCTGCTGCTT 389

QY 185 CCTGGGCTATCATCTCTCTCCATCGAAACAGAAAGAAATCCCCTGGTGAACGACACCAACG 244
Db 390 CGTGGAGATCAITTTTCATCGATCGAACAAAGAGAGAGTTCGTGGTTAACGATGACCACG 449

QY 245 TTACCGCTATCCGTAATACCGTTCCAAATCGAACCGAACTGTCGGGTATCTGCGAAG 304
Db 450 TTACGTCGATCCGTGACTACAGAAAGCAAGATCGAAACGGAACTTCTGAAATCTGTGACG 509

QY 305 GTATCTCGAACTGCTGGACTCCCGTCTGATCCCGGCTGCTGCTCCGGTGAATCCCAAG 364
Db 510 GAATCTTAAGCTTCTTGATACTAGACTCGTTCTGCTGCTGCTTCTGGAGATTCGAAG 569

QY 365 TTTTCTACCTGAATAATGAAGGTGACTACACCGGTACTCGGTGAGTTTAAACCGGTC 424
Db 570 TGTTTTACCTTAAGATGAAGGGAGATTATCATAGTACTTTGGCTGAGTTTAAAGACTGCT 629

QY 425 AGGAACGTAAGACGCTGCTGTAACACACCCCTGGCTGCTTACAAATCCGCTCAGACATCG 484
Db 630 AAGAGAGGAAGATGCTGTGAACATACTCTCACCGCTTACAAAGCTGCTCAGGATATTG 689

QY 485 CTAACCGTGAATCGGCTCGACCCACCGATCCGTCGGGTCTGGCTCTGAACTTCTCCG 544
Db 690 CTAATCTGAATTTGGCTCCAAACGATCCGATTCGTTGGTCTTGGCTTGAACCTTCTCTG 749

QY 545 TTTTCTACTACGAAATCTCGAACTCCCGGACCGTCTTGCACCTCGGCTTAAACAGCGCTT 604
Db 750 TGTTTTACTATGAGATTCCTCAATTCCTCAGATCGTCTGTTGTAATCTCGCTAAGCAGCGT 809

QY 605 TCGACGAAGCTATTCGCTGAGCTCGACACCCCTGGGTGAAGAAATCCTTCAAGAATCTCACCC 664
Db 810 TTGATGAACGATTTGCTGAGTTGGATACTCTTGGTGAAGAGTCATACAGAGCAGTACCT 869

QY 665 TGATCATGACGCTGCTGCGTGACAACTGACCTCTGGACCTCCGACATCCAGGACGACG 724
Db 870 TGAATCATGACGCTTCTCTGAGCAATCTCACTCTCTGGCACTCTGATATCGAGATGATG 929

QY 725 CTGCTGACGAATCAAGAAGCTGTGCTCCGAAACCGACCGAAGAACAGCAG 777
Db 930 CTGCGGATGAGATCAAGGAAGCAGCAGCGCCAAAACCGACCGAGGAACAGCAG 982

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RESULT 13

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RESULTS 13
US-09-620-394B-445
; Sequence 445, Application US/09620394B
; GENERAL INFORMATION:
; APPLICANT: ALEXANDROV, Nikolai
; APPLICANT: BROVER, Vyacheslav
; TITLE OF INVENTION: Sequence-Determin
; TITLE OF INVENTION: Thereby.

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FILE REFERENCE: 2750-1067P
CURRENT APPLICATION NUMBER: US/09/620,394B
CURRENT FILING DATE: 2000-07-21
NUMBER OF SEQ ID NOS: 9131
SEQ ID NO 445
LENGTH: 1154
TYPE: DNA
ORGANISM: Arabidopsis thaliana
FEATURE:
NAME/KEY: misc.feature
LOCATION: 1..1154
OTHER INFORMATION: any n = a, g, c, t, unknown, or other
NAME/KEY: misc.feature
LOCATION: 1..1154
OTHER INFORMATION: Ceres Seq. ID 1376532
US-09-620-394B-445

Query Match 61.6%; Score 484.4; DB 26; Length 1154;
Best Local Similarity 76.2%; Pred. No. 1.1e-125;
Matches 596; Conservative 0; Mismatches 186; Indels 0; Gaps 0;

QY 5 CTTCGGCAGAGAGAACTGGTTTACATGCTGACTGCTGAACAAGCTGAACGTTACG 64
DB CCTCGCGAGGAGAGAGTTGCTGTACCTCGCAAGCTCGCAGAGCAAGCGGAACGTTACG 165
QY 65 AAGAAATGGTGAATTCATGAGAAAAGTTCCGCTGCTGTGAACGCTGAACGTAACCG 124
DB 166 AAGAAATGGTGAATTCATGAGAAAAGTTCCGCTGCTGTGAACGCTGAACGTAACCG 225
QY 125 TTGAAGAACGTAACTGCTGTCTCGTGTCTTACAAAACGTTATCGGTGCTGTGCTT 184
DB 226 TCGAAGAACGTAACTGCTGTCTCGTGTCTTACAAAACGTTATCGGTGCTGTGCTT 285
QY 185 CCGGCGTATCATCTCTCTCATGACAGAAAAGAAATCCCGTGTATCGACGACGACG 244
DB 286 CCGGCGTATCATCTCTCTCATGACAGAAAAGAAATCCCGTGTATCGACGACGACG 345
QY 245 TTACCGCTATCCGCTGAATACCGTTCCAAATCGAAACCGAACTGCTGCTATCTCGACG 304
DB 346 TGACCAAGATCCGCTGAATACCGTTCCAAATCGAAACCGAACTGCTGCTATCTCGACG 405
QY 305 GTATCTGAAACTGCTGACTCCCGTGTATCCCGGCTGCTGCTTCCGCTGATCCAAAG 364
DB 406 GTATCTGAAACTGCTGACTCCCGTGTATCCCGGCTGCTGCTTCCGCTGATCCAAAG 465
QY 365 TTCTTCTACCTGAATGAAGAGTGAATCAACACCGGTAACGTTAAACCGGTC 424
DB 466 TTCTTCTACCTGAATGAAGAGTGAATCAACACCGGTAACGTTAAACCGGTC 525
QY 425 AGGAACGTAAAGACGCTGTGAACACACCGGCTGCTTAAATCCGCTGAACGATCG 484
DB 526 AAGAGAGAAAAGATGCTGTGAACATATCTCACCGCTTACAAAGCTGCTGAGATATG 585
QY 485 CTAAAGCTGAACGCTGCTCGAACCCACCGCATCGGTGCTGCTGCTGCTGCTGCTG 544
DB 586 CTAAAGCTGAACGCTGCTCGAACCCACCGCATCGGTGCTGCTGCTGCTGCTGCTG 645
QY 545 TTCTTCTACCTGAATGAAGAGTGAATCAACACCGGTAACGTTAAACCGGTC 604
DB 646 TTCTTCTACCTGAATGAAGAGTGAATCAACACCGGTAACGTTAAACCGGTC 705
QY 605 TCGAAGAACGTATCGCTGAGCTGACACCTGCGGTGAAGATCTTCAAGACTCCACCC 664
DB 706 TCGAAGAACGTATCGCTGAGCTGACACCTGCGGTGAAGATCTTCAAGACTCCACCC 765
QY 765 TGATCATGCACTGCTGCTGACACCTGCTGACCTGCTGACCTGCTGACCTGCTGACCTG 724
DB 766 TGATCATGCACTGCTGCTGACACCTGCTGACCTGCTGACCTGCTGACCTGCTGACCTG 825
QY 725 CTGCTGACGAATCAAGAAAGCTGCTGCTGCAACCGGACGGAAGACGAGCTAGCT 784
DB 826 GTCCGAGGAGATTAAGAGACGACGACCAAGCTGCTGGAAGACGAGAGATCT 885

QY 785 AA 786
DB 886 AA 887
RESULT 14
US-10-155-881-34293
Sequence 34293, Application US/10155881
GENERAL INFORMATION:
APPLICANT: Dotsen, Stanton B.
APPLICANT: Kovalic, David K.
APPLICANT: Liu, Jindong
APPLICANT: Lutfiyya, Linda L.
APPLICANT: McIninch, James
TITLE OF INVENTION: NUCLEIC ACID MOLECULES AND OTHER MOLECULES ASSOCIATED WITH
FILE REFERENCE: 38-21(15300)J
CURRENT APPLICATION NUMBER: US/10/155,881
CURRENT FILING DATE: 2002-05-22
NUMBER OF SEQ ID NOS: 37595
SEQ ID NO 34293
LENGTH: 1047
TYPE: DNA
ORGANISM: Arabidopsis thaliana columbia
US-10-155-881-34293

Query Match 61.2%; Score 481.2; DB 46; Length 1047;
Best Local Similarity 76.0%; Pred. No. 8.8e-125;
Matches 594; Conservative 0; Mismatches 188; Indels 0; Gaps 0;

QY 5 CTTCGGCAGAGAGAACTGGTTTACATGCTGACTGCTGAACAAGCTGAACGTTACG 64
DB 44 CCGGCGAGGAGAGAGTTGCTGTACCTCGCAAGCTCGCAGAGCAAGCGGAACGTTACG 103
QY 65 AAGAAATGGTGAATTCATGAGAAAAGTTCCGCTGCTGTGAACGCTGAACGTAACCG 124
DB 104 AAGAAATGGTGAATTCATGAGAAAAGTTCCGCTGCTGTGAACGCTGAACGTAACCG 163
QY 125 TTGAAGAACGTAACTGCTGTCTCGTGTCTTACAAAACGTTATCGGTGCTGTGCTT 184
DB 164 TCGAAGAACGTAACTGCTGTCTCGTGTCTTACAAAACGTTATCGGTGCTGTGCTT 223
QY 185 CCGGCGTATCATCTCTCTCATGACAGAAAAGAAATCCCGTGTATCGACGACGACG 244
DB 224 CCGGCGTATCATCTCTCTCATGACAGAAAAGAAATCCCGTGTATCGACGACGACG 283
QY 245 TTACCGCTATCCGCTGAATACCGTTCCAAATCGAAACCGAACTGCTGCTATCTCGACG 304
DB 284 TGACCAAGATCCGCTGAATACCGTTCCAAATCGAAACCGAACTGCTGCTATCTCGACG 343
QY 305 GTATCTGAAACTGCTGACTCCCGTGTATCCCGGCTGCTGCTTCCGCTGATCCAAAG 364
DB 344 GTATCTGAAACTGCTGACTCCCGTGTATCCCGGCTGCTGCTTCCGCTGATCCAAAG 403
QY 365 TTCTTCTACCTGAATGAAGAGTGAATCAACACCGGTAACGTTAAACCGGTC 424
DB 404 TTCTTCTACCTGAATGAAGAGTGAATCAACACCGGTAACGTTAAACCGGTC 463
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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: June 6, 2004, 23:42:44 ; Search time 537 Seconds

(without alignments)
6677.335 Million cell updates/sec

Title: US-09-507-166-38

Perfect score: 786
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Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 2995936 seqs, 2280998010 residues

Total number of hits satisfying chosen parameters: 5991872

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

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- 19: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	459.2	58.4	1092	16 US-10-310-154-214	Sequence 214, App
2	432.2	55.0	789	9 US-09-887-576-813	Sequence 813, App
3	424.4	54.0	783	9 US-09-887-576-799	Sequence 799, App
4	424.4	54.0	1004	16 US-10-310-154-220	Sequence 220, App
5	420.8	53.5	1141	15 US-10-226-715-9	Sequence 9, Appl
6	413.2	52.6	798	9 US-09-938-842A-637	Sequence 637, App
7	413.2	52.6	798	11 US-09-938-842A-637	Sequence 637, App
8	411.4	52.3	1172	16 US-10-310-154-219	Sequence 219, App
9	407.2	51.8	798	9 US-09-887-576-790	Sequence 790, App
10	407	51.8	788	9 US-09-938-842A-429	Sequence 429, App
11	407	51.8	788	11 US-09-938-842A-429	Sequence 429, App
12	406	51.7	927	9 US-09-887-576-789	Sequence 789, App
13	405.4	51.6	768	13 US-10-412-699B-343	Sequence 343, App
14	405.4	51.6	768	13 US-10-225-066A-789	Sequence 789, App

ALIGNMENTS

US-10-310-154-214	15	405.4	51.6	768	16	US-10-374-780A-2349	Sequence 2349, App
Sequence 214, Application US/10310154	16	399.4	50.8	1283	13	US-10-425-114-21156	Sequence 21156, A
Publication No. US20030233670A1	17	395.8	50.4	887	13	US-10-425-114-12996	Sequence 12996, A
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Chomet, Paul S.	20	385.6	49.1	1033	9	US-09-770-445-188	Sequence 188, App
APPLICANT: Adams, Thomas H	21	385.6	49.1	1040	13	US-10-412-699B-341	Sequence 341, App
Ruff, Thomas G.	22	385.6	49.1	1040	13	US-10-278-171-157	Sequence 157, App
APPLICANT: Agarwal, Ameeta K.	23	385.6	49.1	1040	15	US-10-425-114-16677	Sequence 209, App
Ahrens, Jeffrey E.	24	382.4	48.7	935	13	US-10-425-114-30130	Sequence 30130, A
Ball, James A.	25	379.6	48.3	840	9	US-09-828-447-9	Sequence 9, Appl
Banu, G.	26	375.2	47.7	937	13	US-10-425-114-14710	Sequence 14710, A
APPLICANT: Bell, Erin	27	366.8	45.4	1000	13	US-10-425-114-14677	Sequence 14677, A
Boddupall, Raghava	28	366.8	45.4	1028	13	US-10-425-114-12698	Sequence 12698, A
APPLICANT: Deikman, Jill	29	366.8	45.4	1139	13	US-10-425-114-14600	Sequence 14600, A
Deng, Jinzhuo	30	345.8	44.0	958	9	US-09-770-445-372	Sequence 372, App
APPLICANT: Duff, Stephen M.	31	345.4	43.9	958	13	US-10-425-114-11091	Sequence 11091, A
Galligan, Meghan M.	32	344.4	43.8	900	13	US-10-425-114-22315	Sequence 22315, A
Hinchey, Brenda S.	33	343	43.6	792	15	US-10-242-943-7	Sequence 7, Appl
Huang, Shihshieh	34	343	43.6	1726	10	US-09-738-630-57	Sequence 67, Appl
Johnson, G. Richard	35	343	43.6	1726	15	US-10-171-581-51	Sequence 51, Appl
Kretzmer, Keith A.	36	343	43.6	1850	9	US-09-925-300-410	Sequence 410, App
APPLICANT: Jung, Vincent	37	338.4	43.1	987	13	US-10-425-114-2770	Sequence 2770, App
APPLICANT: Kretzmer, Keith A.	38	335.8	42.7	889	13	US-10-425-114-19460	Sequence 19460, A
APPLICANT: Lee, Garry	39	334.6	42.6	1084	16	US-10-161-927-51	Sequence 51, Appl
APPLICANT: Lee, Garry	40	333.8	42.5	822	16	US-10-369-493-25317	Sequence 25317, A
APPLICANT: Lin, Jie-Yi	41	329.8	42.0	804	16	US-10-369-493-25667	Sequence 25667, A
APPLICANT: Lin, Jie-Yi	42	326.6	41.6	1284	16	US-10-310-154-218	Sequence 218, App
APPLICANT: Lu, Bin	43	326.4	41.5	916	9	US-09-828-447-8	Sequence 8, Appl
APPLICANT: Lu, Bin	44	326	41.5	852	15	US-10-161-051-141	Sequence 141, App
APPLICANT: Lund, Adrian	45	326	41.5	1123	16	US-10-310-154-212	Sequence 212, App
APPLICANT: Madison, Linda L.							
APPLICANT: Malloy, Kathleen A.							
APPLICANT: McKel, Christine L.							
APPLICANT: Miller, Philip W.							

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RESULT 3
US-09-887-576-799
Sequence 799, Application US/09887576
Patent No. US20020144047A1
GENERAL INFORMATION:
APPLICANT: Budworth, P.
APPLICANT: Brown, D.
APPLICANT: Chang, H.
APPLICANT: Zhu, T.
APPLICANT: Han, B.
APPLICANT: Wang, X.
APPLICANT: Cooper, Bret
TITLE OF INVENTION: Promoters for regulation of plant expression
FILE REFERENCE: 1360.001US1
CURRENT APPLICATION NUMBER: US/09/887,576
CURRENT FILING DATE: 2001-06-25
PRIOR APPLICATION NUMBER: US 60/213,848
PRIOR FILING DATE: 2000-06-23
PRIOR APPLICATION NUMBER: US 60/214,087
PRIOR FILING DATE: 2000-06-23
PRIOR APPLICATION NUMBER: US 60/258,692
PRIOR FILING DATE: 2000-12-29
NUMBER OF SEQ ID NOS: 875
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 799
LENGTH: 783
TYPE: DNA
ORGANISM: Oryza sativa
US-09-887-576-799

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Query Match	54.0%;	Score 424.4;	DB 9;	Length 783;
Best Local Similarity	73.1%;	Pred. No. 1.6e-129;		
Matches 545;	Conservative 0;	Mismatches 201;	Indels 0;	Gaps 0;

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Dp	263	TTAAGGAGTACCGTAGCAGAGATTGAACTGAGACTCAGCAAGATCTGTGATGATCCTTA	322
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Dp	323	AGCTTTGTGATTTCCACCTCTGTCCATCTGTGCACGTCTGCAGAGTCCAAAGTGTCTACC	382
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RESULT 4
US-10-310-154-220
; Sequence 220, Application US/10310154
; Publication No. US2003023670A1
; GENERAL INFORMATION:

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APPLICANT: Edgerton, Michael D
APPLICANT: Chomet, Paul S.
APPLICANT: Adams, Thomas H
APPLICANT: Ruff, Thomas G.
APPLICANT: Agarwal, Ameeta K.
APPLICANT: Ahrens, Jeffrey E.
APPLICANT: Ball, James A.
APPLICANT: Banu, G.
APPLICANT: Bell, Erin
APPLICANT: Boduppalli, Raghava
APPLICANT: Deikman, Jill
APPLICANT: Deng, Mojian
APPLICANT: Dong, Linzhao
APPLICANT: Duff, Stephen M.
APPLICANT: Galligan, Meghan M.
APPLICANT: Hinchey, Brenda S.
APPLICANT: Huang, Shishieh
APPLICANT: Johnson, G. Richard
APPLICANT: Jung, Vincent
APPLICANT: Kretzmer, Keith A
APPLICANT: Laccetti, Lucille B.
APPLICANT: Lai, Chao-Qiang
APPLICANT: Lee, Gary
APPLICANT: Lin, Jie-Yi
APPLICANT: Liu, Jingdong
APPLICANT: Lu, Bin

APPLICANT: Luethy, Michael M.
APPLICANT: Lund, Adrian
APPLICANT: Madson, Linda L.
APPLICANT: Malloy, Kathleen A.
APPLICANT: McKiel, Christine L.
APPLICANT: Miller, Philip W.
APPLICANT: Padmavathi, Manohikanti
APPLICANT: Parnell, Laurence D.
APPLICANT: Start, William G.
APPLICANT: Tennessee, Dan
APPLICANT: Vidya, K. R.
APPLICANT: Wang, Haiyun
APPLICANT: Xin, Zhanquo
APPLICANT: Xu, Nanfei
APPLICANT: Yang, Chunzhi
APPLICANT: Zeng, Xiaoping
APPLICANT: Zhang, Qiang
APPLICANT: Zhao, Yajuan
APPLICANT: Zhou, Li
TITLE OF INVENTION: Gene Sequences and Uses Thereof in Plants
FILE REFERENCE: 38-15(52796)B
CURRENT APPLICATION NUMBER: US/10/310,154
CURRENT FILING DATE: 2002-12-04
PRIOR APPLICATION NUMBER: 60/337,358
PRIOR FILING DATE: 2001-12-04
NUMBER OF SEQ ID NOS: 736
SEQ ID NO 220
LENGTH: 1004
TYPE: DNA
ORGANISM: Oryza sativa
FEATURE:
NAME/KEY: CDS
LOCATION: (6)..(785)
OTHER INFORMATION:
US-10-310-154-220

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Best Local Similarity 73.1%; Pred. No. 1.9e-129;
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QY 734 AAATCAAGAGCTGCTGCTCCGAAA 759
DB 748 AGATCAAGGAGCAGCAAGAGCTGAA 773
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US-10-226-715-9
Sequence 9, Application US/10226715
Publication No. US2003009984A1
GENERAL INFORMATION:
APPLICANT: Texas A&M University
TITLE OF INVENTION: ISOLATION OF SUGARCANE PROTEINS INVOLVED IN POSTTRANSCRIPTIONAL G
FILE REFERENCE: 017575.0693 (TAMUS 1743)
CURRENT APPLICATION NUMBER: US/10/226,715
CURRENT FILING DATE: 2002-08-23
PRIOR APPLICATION NUMBER: 60/314863
PRIOR FILING DATE: 2001-08-24
NUMBER OF SEQ ID NOS: 12
SOFTWARE: PatentIn version 3.1
SEQ ID NO 9
LENGTH: 1141
TYPE: DNA
ORGANISM: Saccharum hybrid cultivar CP72-1210
US-10-226-715-9

Query Match 53.5%; Score 420.8; DB 15; Length 1141;
Best Local Similarity 71.7%; Pred. No. 3.1e-128;
Matches 551; Conservative 0; Mismatches 217; Indels 0; Gaps 0;
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QY 253 ATCCGTGAAATACCGTTTCCAAATCGAAACCGAACTGTCGGGTATCTGCGACGATCTCTG 312
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RESULT 6

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; Sequence 637, Application US/09938842A
; Patent No. US20020160378A1
; GENERAL INFORMATION:
; APPLICANT: Harper, Jeff
; APPLICANT: Kieps, Joel
; APPLICANT: Wang, Xun
; APPLICANT: Zhu, Tong
; TITLE OF INVENTION: STRESS-REGULATED GENES OF PLANTS, TRANSGENIC PLANTS CONTAINING
; FILE REFERENCE: SRIPI300-3
; CURRENT APPLICATION NUMBER: US/09/938,842A
; PRIORITY FILING DATE: 2001-08-24
; PRIORITY APPLICATION NUMBER: US 60/227,866
; PRIORITY FILING DATE: 2000-08-24
; PRIORITY APPLICATION NUMBER: US 60/264,647
; PRIORITY FILING DATE: 2001-01-16
; PRIORITY APPLICATION NUMBER: US 60/300,111
; NUMBER OF SEQ ID NOS: 5379
; SEQ ID NO 637
; LENGTH: 798
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-09-938-842A-637

Query Match 52.6%; Score 413.2; DB 9; Length 798;
Best Local Similarity 71.0%; Pred. No. 8.4e-126;
Matches 547; Conservative 0; Mismatches 223; Indels 0; Gaps 0;

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DB 1 ATGTCGCTTCTCGGAGAGAAATGTGTACTTACCAAGTTAGCTGAGCTGAACGT 60
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QY 121 ACCGTTAAAGAACTAATCTGCTGCTGCTTACAAAGATGATCGTGTCTGCT 180
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QY 181 GCTTCTGAGGATATCTCTCCATGAGACAGAAAGAAATCCGCTGTAACAGAC 240
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QY 241 CAGCTTACCGCTATCTGTAATCCGTTCCAAAATGAAACGAACTGCTCGATCTGC 300

DB 241 CATGTTTCATTTACAGAGACTACAGAGAAAGATCCAAATGTAATCTGACAAATCTGT 300
QY 301 GACGATATCTGAAATCTGCTGAACTCCCGTGTATCCCGGCTGCTGCTCCGATCTCC 360
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QY 361 AAAGTTTCTACCGAAATGAAAGTGACTACAGACCGGTAAGCTGCTGAGTTTAAACC 420
DB 361 AAAGCTTTTACCTCAATATGAAAGATTTACACAGATTAATCTGCTGATTTAAAGCT 420
QY 421 GGTCAAGAACGTAAAGACGCTGTAACACACCTGCTGCTTACAAATCGCTCAGAC 480
DB 421 GAGCTGAGAGAAAGAGCTGTAAGAGCACTGCTGCTGCTTCAAGTCAAGTCAAGAT 480
QY 481 ATGCTAATGCTGAATCTGCTCCGACCCGATCCGCTGCTGCTGCTGCTGCTGAACTTC 540
DB 481 ATGCACTTGTGATTTAGCTTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 540
QY 541 TCCGTTTCTACTACGAATCTGTAATCCCGGACCGCTGCTGCTGCTGCTGCTGCTGCTGCT 600
DB 541 TCTGCTTCTACTACGAATCTGTAATCCCGGACCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 600
QY 601 GCTTTCAGAGAACTATGCTGAGCTGACACCTCGGTGAAGAAATCTTACAAAGACTCC 660
DB 601 GCTTTCAGAGAACTATGCTGAGCTGACACCTCGGTGAAGAAATCTTACAAAGACTCC 660
QY 661 ACCGTGATGAGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 720
DB 661 AGCTTGAATATGCAATCTTCCGTAACAATCTGACCTTTGGAATCTGCAATCAATGAT 720
QY 721 GACGCTGTAACGAATCAAGAAAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 770
DB 721 GAGGCGGCGGATGAGATCAAGAGGCGTCAAAACATGAGCGGAGAA 770

RESULT 7

US-09-938-842A-637
; Sequence 637, Application US/09938842A
; Publication No. US20040009476A9
; GENERAL INFORMATION:
; APPLICANT: Harper, Jeff
; APPLICANT: Kieps, Joel
; APPLICANT: Wang, Xun
; APPLICANT: Zhu, Tong
; TITLE OF INVENTION: STRESS-REGULATED GENES OF PLANTS, TRANSGENIC PLANTS CONTAINING
; FILE REFERENCE: SRIPI300-3
; CURRENT APPLICATION NUMBER: US/09/938,842A
; PRIORITY FILING DATE: 2001-08-24
; PRIORITY APPLICATION NUMBER: US 60/227,866
; PRIORITY FILING DATE: 2000-08-24
; PRIORITY APPLICATION NUMBER: US 60/264,647
; PRIORITY FILING DATE: 2001-01-16
; PRIORITY APPLICATION NUMBER: US 60/300,111
; NUMBER OF SEQ ID NOS: 5379
; SEQ ID NO 637
; LENGTH: 798
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-09-938-842A-637

Query Match 52.6%; Score 413.2; DB 11; Length 798;
Best Local Similarity 71.0%; Pred. No. 8.4e-126;
Matches 547; Conservative 0; Mismatches 223; Indels 0; Gaps 0;

QY 1 ATGGCTCCGAGAGAACTGTTTACATGCTGCTAGCTGTAACAGCTGAACGT 60
DB 1 ATGTCGCTTCTCGGAGAGAAATGTGTACTTACCAAGTTAGCTGAGCTGAACGT 60
QY 61 TAGGAGAAATGTTGAATTCATGAGAAAGTTCCGCTGCTGTGACGCTGAGAACTG 120

61	TATGAGAAATCGTTGAGTTCA	TGAGAAAGTTCCAAAGACTGTTTGA	CACCGATGAGCTT	120
121	ACGGTTAAGAACGTAAC	CTGTCGTGCTTACAAAACGTTATCGT	TGCTCGT	180
121	ACTGTCGAGAGAGAAAC	CTCTTGTCTTCTGCTTACAAGAACGTCAT	TGGTGTCTAGGAGA	180
181	GCTTCTCGCGTATCATCT	CTCTCCATCGAACAGAAAGAAATCCCGT	TGTTAAACGACGAC	240
181	GCTTCTCGGAGTCA	TATCTTCCATTGAA	CAGAAAGAAACGACAGAAACGATGAT	240
241	CAGGTTACCGCTTACCGT	TGAAATACCGTTCCAAATCGAAACCGAA	CTGTCCGGTATCTGC	300
241	CATGTTTCCATTATCAAG	GAATACAGAGAAAGATCGAAACTGA	CACTCAGCAAAATCTGT	300
301	GACGCTATCCTGAAACTG	CTGGAATCCCGTCTGATCCCGCTGCTGT	TCGGTGAATCC	360
301	GATGGAATACTCAATCT	TCGTGATTTCCACTGCATCTTTGG	CGGAGTCC	360
361	AAAGTTTCTACTCGAAAT	GAAAGGTGACTACCAACCGTACTGCT	GTGATTTAAAC	420
361	AAAGTCTTTTACCTCAAA	TGAAAGAGATTACCAAGGTACCTTGT	GTGATTTAAGAT	420
421	GTTCAGGAACGTAAGAC	GTCTGTAACACACCTGTGCTTTACAAAT	CCGCTCAGGAC	480
421	GGAGCTGAGAGAAAGAA	GTCTGAGAGCACTCTGGTTGCTTACAAGT	CAGCTCAGGAT	480
481	ATCGCTAA	CGCTACTGGCTCCGACCAACCGGATCGT	CTGGTCTGGAATTC	540
481	ATTGCATTTGCTGATT	TTAGTCTTACTCATCCGATTAGACTGG	CACTTGTCTTAATTC	540
541	TCGGTTTTCTACTAG	GAATCTGAACTCCCGGACCGTCTGTGCAAC	CTGGCTTAAACAG	600
541	TCGTCTTCTTACTAC	GAGATTTCTCAACTCACTGATCGTGCCT	GTGCACTTCGCAAAACAG	600
601	GCTTTTCGACGAGCTAT	CGCTGAGCTGCACACCTGGTGAAGAAATCTT	ACAAGACTCC	660
601	GCTTTTGATAGG	CCATTTCTGAGCTGATACATTAG	GAGAATCATACAAGACT	660
661	ACCTGTATCATGAC	TGCTGCTGACAACTGTGACAACTGTG	GACCTCCGACATCGAGAC	720
661	AGTTGATATGCAACTT	CTCCGTGACAATCTGACCTTTGG	AACCTCTGACATCAATGAT	720
721	GACGCTGTGACGAAAT	CAAAAGAGCTGCTGCTCCGAAACCG	ACCGAAGA	770
721	GAGGCGGCGGTGAT	GAGATCAAGAGGCGGTCAAAACAT	GAGCCGGAAGA	770

RESULT 8

US-10-310-154-219
; Sequence 219, Application US/10310154

; Publication No. US20

; GENERAL INFORMATION:
; APPLICANT: Edgerton, Michael D

; APPLICANT: Chomet, Paul S.

APPLICANT: Adams, Thomas H

APPLICANT: Ruff, Thomas G.

APPLICANT: Aggarwal, Ameeta K.
APPLICANT: Ahn, Inffron E.
APPLICANT: Ahn, Inffron E.

APPLICANT: BALL, James A
AFFIDANT: ALLEN, Delley E.

APPLICANT: Banu, G.

APPLICANT: Bell, Erin

; APPLICANT: Boddupalli

APPLICANT: Deikman, Jill

APPLICANT: Deng, Mollan

APPLICANT: Dong, Jiahua
APPLICANT: Duff, Stephen

APPLICANT: GALLIGAN, MEGHAN M

APPLICANT: Hinchey, Brenda S.

; APPLICANT: Huang, Shihshieh

APPLICANT: Johnson, G. Rich

APPLICANT: Jung, Vincent

APPLICANT: Kretzmer, Keith A
APPLICANT: Laccetti, Lucille

, AFFILIATI: PACCELLO, PACCELLO B

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1  APPLICANT: Lai, Chao-Qiang
2  APPLICANT: Lee, Gary
3  APPLICANT: Lin, Jie-Yi
4  APPLICANT: Liu, Jingdong
5  APPLICANT: Lu, Bin
6  APPLICANT: Luethy, Michael M.
7  APPLICANT: Lund, Adrian
8  APPLICANT: Madison, Linda L.
9  APPLICANT: Malloy, Kathleen A.
10 APPLICANT: McKiel, Christine L.
11 APPLICANT: Miller, Philip W.
12 APPLICANT: Padmavathi, Manchikanti
13 APPLICANT: Parnell, Laurence D.
14 APPLICANT: Start, William G.
15 APPLICANT: Tennessee, Dan
16 APPLICANT: Vidya, K.R.
17 APPLICANT: Wang, Haiyun
18 APPLICANT: Xin, Zhangguo
19 APPLICANT: Xu, Nanfei
20 APPLICANT: Yang, Chunzhi
21 APPLICANT: Zeng, Xiaoping
22 APPLICANT: Zhang, Qiang
23 APPLICANT: Zhao, Yajuan
24 APPLICANT: Zhou, Li
25
26 TITLE OF INVENTION: Gene Sequences and Uses Thereof in Plants
27
28 FILE REFERENCE: 38-15(52796)/B
29
30 CURRENT APPLICATION NUMBER: US/10/310,154
31
32 CURRENT FILING DATE: 2002-12-04
33
34 PRIOR APPLICATION NUMBER: 60/337,358
35
36 PRIOR FILING DATE: 2001-12-04
37
38 NUMBER OF SEQ ID NOS: 736
39
40 SEQ ID NO 219
41
42 LENGTH: 1172
43
44 TYPE: DNA
45
46 ORGANISM: Oryza sativa
47
48 FEATURE:
49
50 NAME/KEY: CDS
51
52 LOCATION: (81)..(848)
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54 OTHER INFORMATION:
55
56 US-10-310-154-219

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Query Match 52.3%: Score 411.4: DB 16: Length 1172:

Best Local Similarity 72.6%; Pred. No. 4e-125;

Matches 532; Conservative 0; Mismatches 201; Indels 0; Gaps 0;

QV 14 GAGAAGAACTGGTTTACATGGCTAGACTGGCTGAACAGGCTGAACGTTACGAAGAAATGG 73

[illegible]

22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 1040 1041 1042 1043 1044 1045 1046 1047 1048 1049 1050 1051

QY 74 TTGAATTTCATGGAAAAGTTTCCGCTGCTGTTGACGGTGACGAACTGACCGTTGAAGAAC 133

Db 148 TTGAGTACATGGAGAAGGTTGCAAGACTGTAGATGTGGAAGAGCTCACTGTTGAGGAGC 207

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Db 208 GCAACCTCTTGTCTGTTGCTTACAAGAAATGTGATTGGTGCCCGCGTGCCTCCTGGCGTA 267

194 TCATCTCTCCATCGAACAGAAAGAAAGAAATCCCGTGGTAACGACGACCGTTACCGCTA 253

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LD 288 TGGTCATCCATGATACAGAGGAGGAGGGTCGTGGCAATGAGGAACTGTACTCTCGA 327

OV 254 TCCGTGAATACCGTTCCAAAATCGAAACCGAACTGTCCGGTATCTGCGACGGTATCCTGA 313

[illegible][illegible]

QY 434 AAGAGCTGCTGAACACACCCCTGGCTTACAAATCCGCTCAGACATCGCTAACGCTG 493
DB 508 AGGAAGCTGCTGAGAGACACAAATGCTGGCTTACAAAGCTGCTCAGGATTTCTCTGGGG 567
QY 494 AACTGGCTCCGACCCACCCGATCCGCTGGGCTTGGCTTGAATCTTCCGTTTCTACT 553
DB 568 AATCTGCTCCCAACCCATCCCATTAAGCTTGGCACTTAACTTCTCTGTCTACT 627
QY 554 ACGAATCCTGAATCCCGGACCGTGGCTGCACTGCTTAAACAGGCTTCCAGCAG 613
DB 638 ACGAATTTCTAACTCTCCAGACAGGCTTGCACCTTGTAGAGGCTTTAGCAG 687
QY 614 CTATGCTGAGCTGACACCTGGGTGAAGAACTCTACAAAGCTCCACCTGATCATGC 673
DB 688 CCATCTCCGAGTTGATACCTCTGGGAGAGGTCTTACAGGACGACCTTGTATCATGC 747
QY 674 AACTGCTGCTGACACCTGACCTGCTGACCTCCGACATGACAGGACGCTGACG 733
DB 748 AACTCTGAGGACAACTTGACCTCTGACCTCTGACCTACGAGGACGCTGATG 807
QY 734 AATCAAGAAC 746
DB 808 AGGTGAAGAAC 820

RESULT 9

US-09-887-576-790
Sequence 790, Application US/09887576
Patent No. US20020144047A1

GENERAL INFORMATION:

APPLICANT: Budworth, P.
APPLICANT: Brown, D.
APPLICANT: Chang, H.
APPLICANT: Zhu, T.
APPLICANT: Han, B.
APPLICANT: Wang, X.
APPLICANT: Cooper, B.

TITLE OF INVENTION: Promoters for regulation of plant expression

FILE REFERENCE: 1360.001US1

CURRENT FILING DATE: US/09/887,576

PRIOR FILING DATE: 2001-06-25

PRIOR FILING DATE: 2000-06-23

PRIOR FILING DATE: 2000-06-23

PRIOR FILING DATE: 2000-06-23

PRIOR FILING DATE: 2000-06-23

PRIOR FILING DATE: 2000-06-23

PRIOR FILING DATE: 2000-06-23

PRIOR FILING DATE: 2000-06-23

PRIOR FILING DATE: 2000-06-23

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PRIOR FILING DATE: 2000-06-23

PRIOR FILING DATE: 2000-06-23

PRIOR FILING DATE: 2000-06-23

PRIOR FILING DATE: 2000-06-23

PRIOR FILING DATE: 2000-06-23

DB 202 GCGTCGCGGATCATCTCTGATCGAGCAAGAGAGGCGCGGAGACGACGCC 261
QY 241 CAGTTAACGCTATCCGTAATACCGTCCAAATGAAACGAACTGTCGATCTCG 300
DB 262 CAGCGCCACCACTCCGCTCTACAGAGGCAAGATGAGCGGAGCTCGCTCG 321
QY 301 GACGATCTGTAAGTGTGACCTCCGCTGATCCGCGCTGCTTCCGCTGAC 360
DB 322 GACGATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 381
QY 361 AAGTTTCTACTGAAATGAAAGTGAATCAACCGGTACTGCTGCTGCTGCTG 420
DB 382 AAGTTTCTACTGAAATGAAAGTGAATCAACCGGTACTGCTGCTGCTGCTG 441
QY 421 GTCAGGAAAGTAAACCGCTGTAACACCGCTGCTGCTGCTGCTGCTGCTG 480
DB 442 GCGGACGAG 501
QY 481 ATGCTAAGCTGATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 540
DB 502 ATGCTAAGCTGATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 561
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DB 562 TCACTGTTCTACTGAAATGAAAGTGAATCAACCGGTACTGCTGCTGCTGCTG 621
QY 601 GCTTTCAGGAAAGTAAACCGCTGTAACACCGCTGCTGCTGCTGCTGCTG 660
DB 622 GCGTTGATGAGGCAATACAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 681
QY 661 ACCGATGATGAG 720
DB 682 ACTTATGATGAG 741
QY 721 GACGCTGCTGACCAATCAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 774
DB 742 GATGCTGCTGACCAATCAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 795

RESULT 10

US-09-938-842A-429
Sequence 429, Application US/09938842A
Patent No. US20020160378A1

GENERAL INFORMATION:

APPLICANT: Harper, Jeff
APPLICANT: Krebs, Joel
APPLICANT: Wang, Xun
APPLICANT: Zhu, Tong

TITLE OF INVENTION: STRESS-REGULATED GENES OF PLANTS, TRANSGENIC PLANTS CONTAINING

FILE REFERENCE: SCRI1300-3

CURRENT FILING DATE: US/09/938,842A

PRIOR FILING DATE: 2001-08-24

PRIOR FILING DATE: 2000-08-24

PRIOR FILING DATE: 2000-08-24

PRIOR FILING DATE: 2000-08-24

PRIOR FILING DATE: 2000-08-24

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PRIOR FILING DATE: 2000-08-24

PRIOR FILING DATE: 2000-08-24

PRIOR FILING DATE: 2000-08-24

PRIOR FILING DATE: 2000-08-24

PRIOR FILING DATE: 2000-08-24

QY 13 AGAAGAACTGCTTACATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 72
DB 10 AGGAAGAACTGCTTACATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 69

Query Match 51.8%; Score 407; DB 9; Length 768;
Best Local Similarity 71.0%; Pred. No. 9.3e-124;
Matches 539; Conservative 0; Mismatches 220; Indels 0; Gaps 0;


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? TITLE OF INVENTION: Promoters for regulation of plant expression
? FILE REFERENCE: 1360.001ust1
? CURRENT APPLICATION NUMBER: US/09/867,576
? CURRENT FILING DATE: 2001-06-25
? PRIOR APPLICATION NUMBER: US 60/213,848
? PRIOR FILING DATE: 2000-06-23
? PRIOR APPLICATION NUMBER: US 60/214,087
? PRIOR FILING DATE: 2000-06-23
? PRIOR APPLICATION NUMBER: US 60/258,692
? PRIOR FILING DATE: 2000-12-29
? NUMBER OF SEQ ID NOS: 875
? SOFTWARE: FastSeq for Windows Version 4.0
? SEQ ID NO 789
? LENGTH: 927
? TYPE: DNA
? ORGANISM: Oryza sativa
US-09-887-576-785

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Query Match	51.7%;	Score 406;	DB 9;	Length 927;
Best Local Similarity	73.2%;	Pred. No. 2.2e-123;		
Matches 520;	Conservative	0;	Mismatches 190;	Indels 0;
			Gaps	0;

QY	1	CAGAGAAAGAACTGTTTAACTGAGCTGAGCTGAGTAAACAGGCTGAACGTTTACGAAAGAAAT	71
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QY	72	GATTGAATTCATGAGAAAAGTTTCCGCTGCTGTTGACGAGTGAAGAACTGACCGGTGAGAA	131
Db	84	GGTTGAGTTTCATGAGAAAGGTTCCTAAGACATTTAGCTCTGAGGAGCTCAGCTGTTGAGAA	143
QY	132	ACGTAACCTGCTGCTCCGTTGCTTACAAACGTTATCGTGTGCTGCTGCTTCTGAGCG	191
Db	144	GCGCAACCTTCTATACGATTGCTTACAGAAATGTATGGTGTCCCGCTGCGCTATGCG	203
QY	192	TATCATCTCCCTCCATCGAAACAGAAAGAAATCCCGTGTATACGACGACAGCTTACGCG	251
Db	204	CATCATATCATTCATTGAACAGAGAGAGAGCCGTGGTATAGAGATCGTTCAGCGCT	263
QY	252	TATCCGTGAATACCGTTCCAAATTCGAAACCGAACTGTCGCGTATCTGCGACCGTATCT	311
Db	264	CATCAAGGAATTAAGGGGAAAGTTGAAACTGAGCTCTCCAAAGCTGTGATGACATCT	322
QY	312	GAAGCTGCTGAGCTCCGCTGTGATCCGCGCTGCTGCTCCGCTGACTCAAGATTTTCTA	371
Db	324	CAAGCTTCTTGATCTCCACCTTGCTGCTTCAATCACTGTCGAGATGCCAAGTCTTCTA	383
QY	372	CTGAAATATGAAGGTGACTACCAACCGGTACTGCTGAGTTTAAACCGGTCAAGAACG	431
Db	384	CTTCAGATGAAAGGGGACTACTACAGGTACTCCGACAGGTTTAAGACTGAGCTGAGAG	443
QY	432	TAAAGACGCTGCGAAACACACCCCTGGCTCTTAAACATCCGCTCGAGCATCGCTAACG	491
Db	444	GAAAGATGCTGCTGAGAAACCACTAGTGGCAATCAAAACCGCTCAGGATATGGCCCTGGC	503
QY	492	TGAATGCGCTCCGACCACCCGATCCGTGTGAGTCTGAGCTCTGAACTTCTCCGTTTTCTA	551
Db	504	AGAGTTGCCCCCAACTCATCTTATCAGATTGGCGTGGCCCTCAACTCTCGAGTGTTTA	563
QY	552	CTACGAAATCTCGAATCTCCCGGAGACGCTGCTGCAACCTGCTAAACAGGCTTTCGAGA	611
Db	564	TTACGAGATCTCAACTTCTCTGACCGTGCTTGCAATCTTGCAAAACAGGCTTTCGATGA	623
QY	612	AGCTATCGAGACTCGACACCTCTGGGTGAAGAAATCTTACAAAGACTCAACCTGATCAT	671
Db	624	GCGTATCTCAGAGCTGACACTCTGAGTGAAGAAATCTTACAAAGCACAGCATTTGATCAT	683
QY	672	GCAAGCTGCTGCGACGACAACTGACCTGTGGAACCTCGACATGACGAGAGCG	721
Db	684	GCAAGCTTCTGCGATPACCTTACCGTGTGGAACCTTCGATATCTTCGAGG	733

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Sequence 343, Application US/10412699B
Publication No. US20040045049A1
GENERAL INFORMATION:
APPLICANT: Mendel Biotechnology, Inc.
APPLICANT: Zhang, James
APPLICANT: Fromm, Michael E.
APPLICANT: Heard, Jacqueline E.
APPLICANT: Riechmann, Jose Luis
APPLICANT: Adam, Luc J.
APPLICANT: Brown, Pierre E.
APPLICANT: Pineda, Omaira
APPLICANT: Reuber, T. Lynne
APPLICANT: Keddie, James S.
APPLICANT: Yu, Guo-Liang
APPLICANT: Jiang, Cai-Zhong
APPLICANT: Samaha, Raymond R.
APPLICANT: Pilgrim, Marsha L.
APPLICANT: Creelman, Robert A.
APPLICANT: Dubell, Arnold N.
APPLICANT: Ratcliffe, Oliver
APPLICANT: Kumimoto, Roderick
APPLICANT: Sherman, Bradley K.
TITLE OF INVENTION: Polynucleotides and Polypeptides in Plants
FILE REFERENCE: MBI-0048CIP
CURRENT APPLICATION NUMBER: US/10/412,699B
CURRENT FILING DATE: 2003-04-10
PRIOR APPLICATION NUMBER: 09/394,519
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: 09/489,376
PRIOR FILING DATE: 2000-01-21
PRIOR APPLICATION NUMBER: 09/506,720
PRIOR FILING DATE: 2000-02-17
PRIOR APPLICATION NUMBER: 09/533,030
PRIOR FILING DATE: 2000-03-22
PRIOR APPLICATION NUMBER: 09/533,392
PRIOR FILING DATE: 2000-03-22
PRIOR APPLICATION NUMBER: 09/533,029
PRIOR FILING DATE: 2000-03-22
PRIOR APPLICATION NUMBER: 09/532,591
PRIOR FILING DATE: 2000-03-22
PRIOR APPLICATION NUMBER: 09/533,648
PRIOR FILING DATE: 2000-03-22
PRIOR APPLICATION NUMBER: 09/713,994
PRIOR FILING DATE: 2000-11-16
PRIOR APPLICATION NUMBER: 09/819,142
PRIOR FILING DATE: 2001-03-27
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 2011
SOFTWARE: PatentIn version 3.2
SEQ ID NO 343
LENGTH: 768
TYPE: DNA
ORGANISM: Arabidopsis thaliana
FEATURE:
OTHER INFORMATION: G536
US-10-412-699B-343

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	Query Match	51.6%	Score 405.4	DB 13	Length 766
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Db	10 AGGAAAGAGATGTTTCATGCGCAATTGACCGCAACAGCTGAACGTTACGAAGAATG	69			
QY	73 GTTGAAATTCATGMAAAAGTTTCGCTGCTGTTGACGCTGACGAATCAAGCCGTTGAAGAA	132			
Db	70 GTTGAAATTCATGAGGAAGTTGCGAAACAGTTGATGTTGAGGAACCTTTCAGTTGAAGAG	129			
QY	133 CGTAACCTGCTGTCGGTTCGTTACMAAAAGTTATTCGCTGCTCGTTCCTGCGCT	192			
Db	130 AGGAATTTCTCTCTGTTGTTTACMAAAGCTGATTTGAGAGGAAGAAGCTTCGTGAGA	189			

APPLICANT: Heard, Jacqueline E
 APPLICANT: Haake, Volker
 APPLICANT: Creelman, Robert A
 APPLICANT: Ratcliffe, Oliver
 APPLICANT: Adam, Luc J
 APPLICANT: Reuber, T. Lynne
 APPLICANT: Keddie, James
 APPLICANT: Brown, Pierre E
 APPLICANT: Pilgrim, Marsha L
 APPLICANT: Dubeil III, Arnold T
 APPLICANT: Pineda, Omarita
 APPLICANT: Yu, Guo-Liang
 TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES IN PLANTS
 FILE REFERENCE: MBI-0047 CIP
 CURRENT APPLICATION NUMBER: US/10/374,780A
 PRIOR FILING DATE: 2003-02-25
 PRIOR APPLICATION NUMBER: 09/837,944
 PRIOR FILING DATE: 2001-04-18
 PRIOR APPLICATION NUMBER: 60/310,847
 PRIOR FILING DATE: 2001-08-09
 PRIOR APPLICATION NUMBER: 09/934,455
 PRIOR FILING DATE: 2001-08-22
 PRIOR APPLICATION NUMBER: 60/336,049
 PRIOR FILING DATE: 2001-11-19
 PRIOR APPLICATION NUMBER: 60/338,692
 PRIOR FILING DATE: 2001-12-11
 PRIOR APPLICATION NUMBER: 10/171,468
 PRIOR FILING DATE: 2002-06-14
 PRIOR APPLICATION NUMBER: 10/225,066
 PRIOR FILING DATE: 2002-08-09
 PRIOR APPLICATION NUMBER: 10/225,067
 PRIOR FILING DATE: 2002-08-09
 PRIOR APPLICATION NUMBER: 10/225,068
 PRIOR FILING DATE: 2002-08-09
 NUMBER OF SEQ ID NOS: 2306
 SOFTWARE: PatentIn version 3.2
 SEQ ID NO 2349
 LENGTH: 768
 TYPE: DNA
 ORGANISM: Arabidopsis thaliana
 FEATURE:
 OTHER INFORMATION: G536
 US-10-374-780A-2349

Query Match 51.6%; Score 405.4; DB 16; Length 768;
 Best Local Similarity 70.9%; Pred. No. 3.1e-123;
 Matches 538; Conservative 0; Mismatches 221; Indels 0; Gaps 0;

QY 13 AGAGAGAACTGGTTTACATGAGCTAGAGCTGGAACAGGCTGAACCTTACGAGAAATG 72
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 QY 73 GTTGAATTCAGAGAAAGTTTCGCTGCTGTTGACGCTGACGAACTGACCGTTGAGAA 132
 DB 70 GTTGAATTCAGAGAAAGTTTCGCTGCTGTTGACGCTGACGAACTGACCGTTGAGAA 129
 QY 133 CGTAACTGCTGCTCCGTTGTTTACAAAACGTTATCGTGCTGCTGCTGCTGCTGCTGCT 192
 DB 130 AGGATATTTCTCTGTTGTTTACAAAACGTTATCGTGCTGCTGCTGCTGCTGCTGCTG 189
 QY 193 ATGATCTCTCCATCGAACAGAAAGAAATCCGCTGTACGACGACCAAGTTACCGCT 252
 DB 190 ATCATTTCTTCGATTGAGCAAGAAAGAGCAAGGAGCAAGAGATCATGTTGCTATT 249
 QY 253 ATCCGTAATACCGTTCCAAATCGAAACCGAACTGTCGCTATCTGCGACGCTATCTG 312
 DB 250 ATCAAGATTAACAGAGAGAGATTAATCCGACCTTAGCAAAATCTGTAATGGGATTTG 309
 QY 313 AAATGCTGAGCTCCGCTGATCCGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 372
 DB 310 AATGTTCTTAAGCTATCTTATTTCTTCCCTTCCGCTTCAACAGCTGAATCTAAAGTTTAT 369
 QY 373 CTGAAATGAAAGTACTCAACCGCTACCTGCTGAGTTTAAACCGCTCAGAGAGCT 432

DB 370 CTTAAGATGAAGGTGATTTATCATAGTATCTTGCTGAGTTTAAAGCTGCTGTAAGG 429
 QY 433 AAAGAGCTGCTGAACACACACCTGCTGCTTCAAAATCCGCTCAGAGACATCGCTAACGCT 492
 DB 430 AAAGAGCTGCTGAACACACACCTGCTGCTTCAAAATCCGCTCAGAGACATCGCTAACGCT 489
 QY 493 GAATGCTGCTGAGACCCGACCCGATCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 552
 DB 490 GAGTTAGCTCTTACTACACCGATTAAGCTTGGCTTGGCTTCAACTTCTGCTGCTTAC 549
 QY 553 TACGAAATCTGAACTCCCGGACCGCTGCTTCAACCTGCTTAAACAGCTTTCAGCAA 612
 DB 550 TATGAAATCTCTCAACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 609
 QY 613 GCTATGCTGAGCTGAGACCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 672
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 QY 673 CAGCTGCTGCTGAGCAACCTGACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 732
 DB 670 CAGCTTCTTGAAGCAATCTCACTCTCTGAGCTTCAAGATATGACTGACGAGAGAGAT 729
 QY 733 GAATCAAAAGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 771
 DB 730 GAGATTAAGGAGCATCAACCGGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 768

Search completed: June 7, 2004, 02:05:48
 Job time : 540 secs

Mon Jun 7 09:14:19 2004

US-09-507-166-38.rn1

Page 1

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: June 6, 2004, 22:12:54 ; Search time 92 Seconds
(without alignments)
4741.211 Million cell updates/sec

Title: US-09-507-166-38
Perfect score: 786
Sequence: 1 atggtccgcgcagagaaga.....aagacagcagcagctaa 786

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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3: /cgn2_6/prodata/2/ina/6A.COMB.seq:*
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5: /cgn2_6/prodata/2/ina/PCFUS.COMB.seq:*
6: /cgn2_6/prodata/2/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	ID	Description
1	786	100.0	786 3 US-08-997-918-38	Sequence 38, Appl
2	384	48.9	845 1 US-08-266-451B-1	Sequence 1, Appl
3	384	48.9	845 2 US-08-748-725-1	Sequence 1, Appl
4	343	43.6	792 4 US-09-167-206-7	Sequence 7, Appl
5	280.8	35.7	1320 4 US-09-210-748A-1	Sequence 1, Appl
6	279.6	35.6	1245 1 US-07-887-072B-1	Sequence 1, Appl
7	279.6	35.6	1245 1 US-08-466-444-1	Sequence 1, Appl
8	269.8	34.3	853 1 US-07-876-284-1	Sequence 1, Appl
9	269.8	34.3	2834 1 US-08-276-151-8	Sequence 8, Appl
10	263.4	33.5	1213 1 US-08-276-151-6	Sequence 9, Appl
11	263.4	33.5	3368 4 US-09-566-921-91	Sequence 3, Appl
12	260	33.1	1696 1 US-07-887-072B-3	Sequence 3, Appl
13	260	33.1	1696 1 US-08-466-444-3	Sequence 3, Appl
14	243.4	31.0	1730 4 US-09-266-225D-7	Sequence 7, Appl
15	184.4	24.0	471 4 US-09-621-976-2335	Sequence 2935, Ap
16	184.4	23.5	636 4 US-09-306-564-5	Sequence 5, Appl
17	169.8	21.6	273 4 US-09-313-294A-1821	Sequence 1821, Ap
18	165.6	21.1	611 3 US-09-385-982-527	Sequence 527, App
19	155.4	19.8	451 4 US-09-404-879A-117	Sequence 117, App
20	155.4	19.8	451 4 US-09-338-933-117	Sequence 117, App
21	155.4	19.8	451 4 US-09-215-681-117	Sequence 117, App
22	155.4	19.8	451 4 US-09-621-976-13749	Sequence 13749, A
23	143.4	18.2	361 4 US-09-313-294A-4024	Sequence 4024, Ap
24	138.2	17.6	300 4 US-09-313-294A-1865	Sequence 1865, Ap
25	123.4	15.7	263 4 US-09-370-838-273	Sequence 273, App
26	123	15.6	598 4 US-09-385-982-202	Sequence 202, App
27	117.4	14.9	620 3 US-09-385-982-202	Sequence 202, App

28	113	14.4	299 4 US-09-313-294A-1299	Sequence 1299, Ap
29	89.8	11.4	281 4 US-09-313-294A-2709	Sequence 2709, Ap
30	87.6	11.1	272 4 US-09-313-294A-2434	Sequence 2434, Ap
31	79.4	10.1	284 4 US-09-313-294A-5334	Sequence 5334, Ap
32	77.8	9.9	129 4 US-09-209-676-91	Sequence 51, Appl
33	77.2	9.8	501 4 US-09-404-879A-118	Sequence 118, App
34	77.2	9.8	501 4 US-09-338-933-118	Sequence 118, App
35	77.2	9.8	501 4 US-09-215-681-118	Sequence 118, App
36	77.2	9.8	501 4 US-09-216-003A-118	Sequence 118, App
37	75.6	9.6	129 4 US-09-209-676-89	Sequence 89, Appl
38	74.6	9.5	129 4 US-09-209-676-92	Sequence 92, Appl
39	72.6	9.2	280 4 US-09-621-976-16791	Sequence 16791, A
40	71.8	9.1	322 4 US-09-621-976-16792	Sequence 16792, A
41	71.4	9.1	129 4 US-09-209-676-87	Sequence 87, Appl
42	68.4	8.7	279 4 US-09-621-976-16788	Sequence 16788, A
43	68	8.7	530 4 US-09-621-976-2933	Sequence 2933, Ap
44	67.2	8.5	129 4 US-09-209-676-88	Sequence 58, Appl
45	66.6	8.5	129 4 US-09-209-676-90	Sequence 90, Appl

ALIGNMENTS

RESULT 1
US-08-997-918-38
Sequence 38, Application US/08997918
Patent No. 6077689
GENERAL INFORMATION:
APPLICANT: Shavely, Marshall D.
TITLE OF INVENTION: ENHANCED SOLUBILITY OF RECOMBINANT PROTEINS
FILE REFERENCE: A-496
CURRENT APPLICATION NUMBER: US/08/997,918
NUMBER OF SEQ ID NOS: 59
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 38
LENGTH: 786
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURES:
OTHER INFORMATION: Description of Artificial Sequence: Full length
US-08-997-918-38

Query Match	100.0%; Score 786; DB 3; Length 786;
Best Local Similarity	100.0%; Pred. No. 26-214;
Matches 786; Conservative 0; Mismatches 0; Indels 0; Gaps 0;	
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DB	1 ATGGCTCCGCGAGAGAAGTGTTCATGCTAGTGAAGTGAAGT 60
QY	61 TACGAGAAATGTTGATTCATGAGAAAGTTCCGCTGCTTGAACGTTGAAC 120
DB	61 TACGAGAAATGTTGATTCATGAGAAAGTTCCGCTGCTTGAACGTTGAAC 120
QY	121 ACCGTGAAGAAAGTAACTGCTGCTGCTTGAAGAAAGTAACTGCTGCTGCT 180
DB	121 ACCGTGAAGAAAGTAACTGCTGCTGCTTGAAGAAAGTAACTGCTGCTGCT 180
QY	181 GCTTCCTGCGGATTCATCTCTCCATCGAACAGAAAGAAATCCGCTGTAA 240
DB	181 GCTTCCTGCGGATTCATCTCTCCATCGAACAGAAAGAAATCCGCTGTAA 240
QY	241 CAGGTTACCGCTATCCGTTAATACCGTTCAAAATGAAACGAACTGCTGCT 300
DB	241 CAGGTTACCGCTATCCGTTAATACCGTTCAAAATGAAACGAACTGCTGCT 300
QY	301 GAGGTTACCTGAAAGTGTGAGTCCCGTGTATCCGCTGCTGCTGCTGCTGCT 360
DB	301 GAGGTTACCTGAAAGTGTGAGTCCCGTGTATCCGCTGCTGCTGCTGCTGCT 360
QY	361 AAAGTTTCTAAGTAAAGTAAAGTAAAGTAAAGTAAAGTAAAGTAAAGTAA 420

Mon Jun 7 09:14:19 2004

us-09-507-166-38.rn1

Page 3

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1 SOFTWARE: WordPerfect (Version 5.1)
2 CURRENT APPLICATION DATA:
3 APPLICATION NUMBER: US/08/748,725
4 FILING DATE:
5 CLASSIFICATION: 530
6 PRIOR APPLICATION DATA:
7 APPLICATION NUMBER: 08/266,451
8 FILING DATE: 23-June-1994
9 ATTORNEY/AGENT INFORMATION:
10 NAME: Lech, Karen F.
11 REGISTRATION NUMBER: 35,238
12 REFERENCE/DOCKET NUMBER: 00786/219002
13 TELECOMMUNICATION INFORMATION:
14 TELEPHONE: (617) 542-5070
15 TELEFAX: (617) 542-8906
16 TELEX: 200154
17 INFORMATION FOR SEQ ID NO: 1:
18 SEQUENCE CHARACTERISTICS:
19 LENGTH: 845
20 TYPE: nucleic acid
21 STRANDEDNESS: single
22 TOPOLOGY: linear
23
24 US-08-748-725-1

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Query Match	48.9%	Score 384;	DB 2;	Length 845;
Best Local Similarity	71.8%;	Pred. No. 7,4e-100;		
Matches 517; Conservative	0;	Mismatches 200;	Indels 3;	Gaps 1;

QY	3	AGCTTCGGGAGAGAAAGACGGTTTACATGGCTGACCTGGCTGAACAGAGGCTGAACGTTA	62
Db	43	GACATTAGGACAGAGACCAATATGTGTACATGGCAAGCTCGCCAGACAGCGGAGCTTAA	102
QY	63	CGAAGAAATGGTTGAATTCATGAAAA--AGTTCCGCTGCTGTTGACCGGTACGAACCT	119
Db	103	CGAAGAGATGGTTCAAATTCATGGAACACCTCGTTACAGGCGTACTCCAGCGGAAGACT	162
QY	120	GACGGTTAAGAACGTAACTGCTGCTCGGTTGCTTACAAAAAGTTATCGGAGCTCGACG	179
Db	163	CACGGTTGAAGAGGAATCTCCCTCTGTTGGCTTACAAAGAACGTGAATCGGATCTCTACG	222
QY	180	TGCTTCCTGGGCGTATCATCTCCTCCATGGAACAGAAAGAAAGAAATCCGCTGGTAAACAGA	239
Db	223	CGCGGCTCGAGAGATCGTGTCTTGCAATTAGACAGAGAAAGAGATAGAAAGAAAGAGAGA	282
QY	240	CCACGTTAACCGCTATCCGCTGAATACCGTTCCAAAATCGAAACCGAACTGTCGGATATCG	299
Db	283	GCACGTGCGCTTGCAAGAAATTAACAGATCTAAATTAATGATGTGAGCTTCTCTGTTTG	342
QY	300	CGACGGTATCCTGAAACGCTGGAATCCCGGCTGATCCCGGTGCTGCTTCCGGGATCTC	359
Db	343	CTCTGGAATCTTATAGCTCTTGACTCGCATATGATCCCATCTGCTGAGACGAGTGAATC	402
QY	360	CAAAATTTCCTACTGAATATGAAGAGTGACTACCAACCGGTACTGCTGATGATTTAAAC	419
Db	403	TAAAGCTTTTACTGGAAGATGAAGAGGATTAATCATGGGTACAAAGGCTGAGTTAACTC	462
QY	420	CGGTCAGAAAGTAAAGACGTGCTGAGACAACCTCGCTCTTTCATATCCGCTCAGGA	479
Db	463	TGTGTATAGAGAAAACTGCTGCTGAAAGATACATGTCTGCTTACAAAGCAGCTCAGGA	522
QY	480	CATGCGTAAAGCTGAATCGGCTCGGACCCACCCGATCCGTCGGGTCTGGGCTCTGAATTT	539
Db	523	TATGCGAGCTCGGATATGGAACCTACTCATTCGATTAAGGCTTGGTCTGGGCCCTGAATTT	582
QY	540	CTCCGTTTTCTACTACGAATCTGAATCCCGGACCGGTGCTTGCAACTGGCTAAACA	599
Db	583	CTCAATGTTCTACTATGATGATTCCTCAATTTCTTGACAAACCTTGTAACATGGCCAAACA	642
QY	600	GAGCTTTCAGAAAGGTATCGCTGAGCTGGAACACCTGGGTGTAAGAAATCCTTCAAAAGACTC	659
Db	643	GCGCTTTTAGAGAGCCATAGCTGAGCTTGACATCTTGGAAGAGGAATCTTACAAAGACAG	702
QY	660	CACCTGTATCAGACGCTGCTGCGTGAACACTGAACCTGTGAGACTTCGACATGACAGA	719

Db 703 CACCTCACAATGCGAGTTGCTGGAGGACCAATTAACTCTTGGACCTCGCATATGACAGA 762

RESULT 4
US-09-167-206-7
; Sequence 7, Application US/09167206A
; Patent No. 6476193
; GENERAL INFORMATION:
; APPLICANT: Mandabalan, Krishnan
; APPLICANT: Schulz, Vincent P.
; APPLICANT: Yang, WeiJa
; TITLE OF INVENTION: NIK1 PROTEIN AND NIK1 PROTEIN COMPLEXES
; FILE REFERENCE: 15966-521 NIK1 protein complexes
; CURRENT APPLICATION NUMBER: US/09167,206A
; CURRENT FILING DATE: 1998-10-06
; NUMBER OF SEQ. ID NOS: 26
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 7
; LENGTH: 792
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(765)
US-09-167-206-7

Query Match	43.6%;	Score 343;	DB 4;	Length 792;
Best Local Similarity	-67.8%;	Pred. No. 3.5e-88;		
Matches 497;	Conservative	0;	Mismatches 230;	Indels 6;
			Gaps	1

Oy	1	GAGAAATCTGGTTTACATGCTGAGACGCGCTGAACAGCGCTGAACGTTTACGAAGAATG	73
Db	11	GAGAGATTTGGTTGATCCAGGCGAAGCTGCCGAGCGAGCTGAGCGATTACGAGAAATG	70
Oy	74	TTGAATCATGGAAAAAGTTTCCGCTGCTGTTGACGGTACGAACTGACCCGTTGAAGAC	133
Db	71	TGGAGTCATGGAAGAAAGT-----AGAGGGATGATGTGGAGCTGACGATTGAAGAAA	124
Oy	134	GTAACCTGGTGCCTGGTGTACAAAACGTATCCGCTGCTCGTGCNCTCTCTGACGTA	193
Db	125	GAAACTCTCTATCTGTTCGATTTAAAGATGTGATTTGAGCTTAAGAAGCCTCTCGAGAA	184
Oy	194	TCATCTCTCCATCGAACAAGAAAGAAATCCGCTGTAAAGACGACACGTTAACCGCTA	253
Db	185	TATATCAGCAGCATTTGAAACGAAAGAAAGAAACAAGAGAGAAAGACAAGCTTAAATGA	244
Oy	254	TCCGTAATACAGGTTCCAAATTCGAAACCGAAGCTGTCGGTATCTGAGACGGATCTGA	313
Db	245	TTGGGAAATATGGCAATGGTTTGAGACTGAGCTTAAGTTAATCTGTGTGACATTTCTGG	304
Oy	314	AACCTGTGACTCCCGTCTGATCCCGGCTGCTGCTTCCGCTGACTCCAAAGTTTCTACC	373
Db	305	ATGTATCTGACAAACACTCTCATTCGAGAGCTTAACACTGGCGAGTCCAAAGTTTCTATT	364
Oy	374	TGAAATGAAAGGTGATACACACCGGTACCTGGCTGAGTTTAAACCGTCAGGAACGTA	433
Db	365	ATTAATATGAAAGGAGCATACACAGGTATCTGGAGAAATTTGCCACAGGAACGACAGGA	424
Oy	434	AAGACCTGCTGTAACACACACCTGGCTGTTACAATCCGCTCAGGACATTCGTAAACGTG	493
Db	425	AGAGAGCTCGGAGAAACAGCTTAGGGCTTTAAAGCTGTAGATATGCATATACAG	484
Oy	494	AATGTGCTCCGACCAACCCGATCCGTCTGGGTCTGTGACTTCCTCGTTTCTACT	553
Db	485	AATTCACACAAACGATCTTATTCGCTTAAGTCTTGTCTTCGAATTTTCCGATTTACT	544
Oy	554	ACGAATCTCTGAACCTCCCGAGACGCTGTTGCAACTCGGCTAAACAGAGCTTTGACGAAG	613
Db	545	ACGAATCTTTATTTCCCTGACCGTGTCTGACAGTTGGCAAAAGCAGCTTTGATGATAG	604
Oy	614	CTATCGCTGAGTGCACACCTCGGCTGAGATCTTACAAAGCTCACCTCGATATATGC	673

```

Db      605  CAAATTCAGAACTGGATACGCTGAGTGAAGAAAGCTATAGGACTCTPACACTTATCATGC 664
QY      674  AGCTGCTGGTGCACAACTGACCTCTGTGGACCTCCGACATGCAGGACGACGCTGCTGACG 733
Db      665  AGTTGTTAGCTGATAATCTGACACTATGCACTATGCACTTCAGACATGCAGGCTGACGGTGAAGAGC 724
QY      734  AAATCAAGAAGC 746
Db      725  AGNATTAAGAGAC 737

RESULT 5
US-09-210-748A-1
; Sequence 1, Application US/09210748A
; Patent No. 6335156
; GENERAL INFORMATION:
; APPLICANT: Hermeking, Heiko
; APPLICANT: Vogelstein, Bert
; APPLICANT: Kinzler, Kenneth
; TITLE OF INVENTION: 14-3-3 SIGMA ARREST THE CELL CYCLE
; FILE REFERENCE: 1107.777810
; CURRENT APPLICATION NUMBER: US/09/210.748A
; PRIORITY FILING DATE: 1998-12-15
; PRIOR APPLICATION NUMBER: 60/069,416
; PRIOR FILING DATE: 1997-12-18
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1
; LENGTH: 1320
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-210-748A-1

```

Query Match	35.7%;	Score 280.8;	DB 4;	Length 1320;
Best Local Similarity	62.9%;	Pred. No. 2.3e-70;		
Matches 454;	Conservative 0;	Mismatches 262;	Indels 6;	Gaps 1;
Qy	13	AGNAGAACTGGTTTACATCGCTAGCTGGCTGACACAGCTGAACGGTTACGAGAAATG	72	
Db	78	AGAGCGAGTCTGATCCGAAAGGCCAAGCTGGCAGACAGGCCGAAACGCTATGAGACATG	137	
Qy	73	GTTGAATTTCATGGAAAAAGTTTCCGCTGCTGTTTGAACGGTGACGAACCTGACCGTTCAGAA	132	
Db	138	GCAGCCTTCATGAAGG-----CGCGTGGAGAGGGCGAGGAGCTCTCTCGGAGAG	191	
Qy	133	CGTAACCTGCTGCTCGGTGCTTTACAAAGCTTATCGGTGCTCGTGGTCTTCTGGCGT	192	
Db	192	CGAAACCTGCTCTCAGTAGACCTATAAGAACGTGGTGGCGGCCAGAGGCTGCTCTGGAGG	251	
Qy	193	ATCATCTCTCCATCGAACAGAAAGAAATCCCGTGGTAAACACACACACAGTTTACCCT	252	
Db	252	GTGCTGTCCAGTATTGACACAAAGCAACAGAGAGGGCTTCGGAGAGAGGGGGCCGAG	311	
Qy	253	ATCCGTGAATACCGTTCCAAATCGAAACCGAACTGTCGGTATCTGCACCGGTATCTGT	312	
Db	312	GTGCGTGAGTACCGGGAGAGGTGAGACTGAGCTCCAGGGCGTGTGCACACCGTGTG	371	
Qy	313	AAACTGTGATCTCCGCTCTGATCCGGCTGCTGCTTCGGTGACTTCCAAAGTTTCTAC	372	
Db	372	GGCTGCTGGAACAGCACCTCATCAAGAGAGCCGGGACGCCGAGAGCGGGTCTTCTAC	431	
Qy	373	CTGAAAATGAAGGTGACTACACCGGTACTCGCTGAGTTTAAACCCGGTCAGAAAGT	432	
Db	432	CTGAAGATGAAGGGTGACTTACCGTACTCTGCCGAGGTGCCACCCGGTGACCAAG	491	
Qy	433	AAAGACGCTGCTGAACACACCGCTGGCTGTTACAAATCCCGTTCAGGACATCGTAAACGT	492	
Db	492	AAGCGCATTTGACTCAGCCCGGTCAAGCTCAGGAGGCCATGGACATCAGCAGAG	551	
Qy	493	GAACCTGGCTCCGACCCAGCCGATCCGCTCTGGGTCTGGCTCTGAACCTTTCGGTTTCTAC	552	
Db	552	GAGATCGCCGCCACCAACCCATCCGCTGGGGCTGGCCCTGAACCTTTTCGTTCTCAC	611	

Qy	553	TACGAATCCTGAACTCCCGGACCGTGTGCAACCTGCTTAACAGGCTTTTCGACGAA	613
Db	612	TACGAGATCGCCAAACAGCGCCCGGAGGAGCCATCTCTCTGGCCCAAGACCACCTTTTCGACGAG	671
Qy	613	GCTATCGTGTGAGCTCGACACCCCTGGGTGAAGATCCTTACAAGAGACTCCACCCGTGATCATG	672
Db	672	GCAATGGTGTATCTGCACACCCCTCAGCGAGACTCTCTACAAGACAGACCCCTCATCATG	731
Qy	673	CAGCTGCTGCGTGTGACCAACTGACCCCTGTGGACCTTCGACATGCGAGGACGCGTGTCTGAC	732
Db	732	CAGCTGCTGCGAGACAACCTGACACTGTGGACGCGCGACAAACGCGCGGGAAGAGGGGGGC	791
Qy	733	GA 734	
Db	792	GA 793	

RESULT 6
 US-07-887-072B-1
 ; Sequence 1, Application US/07887072B
 ; Patent No. 5434191
 ; GENERAL INFORMATION:
 ; APPLICANT: Prasad Ph.D., Gaddamanugu L.
 ; APPLICANT: Cooper M.D., Herbert L.
 ; TITLE OF INVENTION: EPITHELIAL CELL SPECIFIC DIFFERENTIATION
 ; TITLE OF INVENTION: MARKER
 ; NUMBER OF SEQUENCES: 5
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSER: Knobbe, Martens, Olson & Bear
 ; STREET: 501 W. Broadway, Suite 1700
 ; CITY: San Diego
 ; STATE: California
 ; COUNTRY: USA
 ; ZIP: 92101
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/07/887,072B
 ; FILING DATE: 20-MAY-1992
 ; CLASSIFICATION: 435
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Kirkpatrick Ph.D., Anita M.
 ; REGISTRATION NUMBER: 32,617
 ; REFERENCE/DOCKET NUMBER: NIH021.021A
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (619) 235-8550
 ; TELEFAX: (619) 235-0176
 ; INFORMATION FOR SEQ ID NO: 1:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 1245 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: DNA (genomic)
 ; HYPOTHETICAL: NO
 ; ANTI-SENSE: NO
 ; US-07-887-072B-1

	Query Match	35.6%;	Score 279.6;	DB 1;	Length 1245;
	Best Local Similarity	62.4%;	Pred. No. 4.9e-70;		
	Matches 457;	Conservative	0;	Mismatches 269;	Indels 6;
					Gaps 1;
Qy	3	GGTTCCGGCAGAGAACTGCTTTACATGGGTAGACTGGCTGAACAGGCTGAACGTTA	62		
Db	7	GGCCATGGAGAGAGCCAGTCTGATCCAGAGAGGCCAAGCTGGCAGAGCAGGCCGAAACGCTA	66		
Qy	63	CGAAGAAATGGTTGAATCATGTAGAAAAGWTTCCGCTGCTGTTGACGGTGACGAACGTGAC	122		
Db	67	TGAGGACATGGCAGCCTTTCATGAAGG-----CGCCGTGGAGAAGGGCAGAGAGCTCTC	120		

Qy	123	CGTTGAAGAACGTAACCTCTGTCGTTGCTTACAAAACGTTACGTTGCTGCTGTC	1 122
Db	121	CTGCGAAGACGAAACCTGCTCTCACTAGCCCTTAAAGACCTGGTGGCCGACGAAGGC	1 180
Qy	183	TTCTGCGCTATCATCTTCTCTCCATCGAACAGAAAGAAATCCGTGTAAAGACACCA	2 122
Db	181	TGCTTGAGAGGTCTCTGCTCCAGTATTTGACGAAAAAGCAACGAGAGGCTCTGGAGGAAA	2 140
Qy	243	CGTTACCGGCTATCCGGTAATACCGTTCCAAAATCGAAACCGAATCGTCCGCTATCTGCGA	3 102
Db	241	GGGGCCCGAGGCTCGTGAATACCGGAGAAAGGTGAGACTGAGCTTCCAGGGCCGTGTCGA	3 100
Qy	303	CGGTATCTGAAACTGCTGACCTCCCGTCTGATCCCGGCTGCTGTTCCGATGACTTCAA	3 162
Db	301	CACCGTCTGGGCTGCTGAGACAGCCACTTCATCAAGAGGGCCGGGAGCGCCGAGAGCCG	3 160
Qy	363	AGTTTCTTACTTAAATATGAAGGTGACTTCCACCGGTACTCTGCTGATTTAAACCGG	4 122
Db	361	GGCTTTCCACTTGAAGATGAAAGGTGACTTACCTACCGCTACTCTGGCCGAGGTGGCACCGG	4 120
Qy	423	TCAAGAACGTAAAGACGCTGCTGTAACACACCCCTGGCTGTTACAAATCCGCTCAGACAT	4 182
Db	421	TGACGACAGAAACCGCATATTTGATCTCAGCCCGGTCAAGCTTACAGAGGCCATGACAT	4 180
Qy	483	CGCTAACGCTGAACCTGCTCCGACCCACCCGATCCGTTGAGGTGCTCTGAACTTTTC	5 122
Db	481	CACCAAGAAAGAAATCCGCCACCAACCCCATCCGCTGGGCTGGGCCCTGAACTTTTC	5 140
Qy	543	CGTTTCTACTAGAAATCTGTGAACCTCCCGGAGCCGTCCTTGCAACCTGGGTAAACAGGC	6 102
Db	541	CGCTTTCTCACTAGAAATGCGCAACAGCCCGAGAGGCGCATTTCTTGGGCAAGACAC	6 100
Qy	603	TTTGAAGAACTTATGCTGAGCTGCAACCTTGCGTGAAGATCTTACAAAGACTCCAC	6 162
Db	601	TTTGAAGAGGCCATGCTGATGTGACACCTTGACGGAGGACTCTTACAAAGACACAC	6 160
Qy	663	CTGATATATGACACTGCTGCTGTAACAACCTGACCTTGTGACCTTCCAGATGACAGACGA	7 122
Db	661	CTCATATATGACACTGCTGCGAACAACCTGACACTGTGAGACGGGCGCAACACGCGGGGA	7 120
Qy	723	CGCTGCTGACGA 734	
Db	721	AGAGGGGGGGGA 732	
RESULT 7			
US-08-466-444-1			
Sequence 1, Application US/08466444			
Patent No. 576676			
GENERAL INFORMATION:			
APPLICANT: Prasad Ph.D., Gaddamanugu L.			
APPLICANT: Cooper M.D., Herbert L.			
TITLE OF INVENTION: EPITHELIAL CELL SPECIFIC DIFFERENTIATION			
TITLE OF INVENTION: MARKER			
NUMBER OF SEQUENCES: 5			
CORRESPONDENCE ADDRESS:			
ADDRESSES: Knobbe, Martens, Olson & Bear			
STREET: 501 W. Broadway, Suite 1700			
CITY: San Diego			
STATE: California			
COUNTRY: USA			
ZIP: 92101			
COMPUTER READABLE FORM:			
MEDIUM TYPE: floppy disk			
COMPUTER: IBM PC compatible			
OPERATING SYSTEM: PC-DOS/MS-DOS			
SOFTWARE: Patentin Release #1.0, Version #1.25			
CURRENT APPLICATION DATA:			
APPLICATION NUMBER: US/08/466,444			
FILING DATE: 06-JUN-1995			
CLASSIFICATION: 435			
PRIOR APPLICATION DATA:			
APPLICATION NUMBER: US 07/887,072			

Query	Subject	Score	DB	Length	Mismatches	Indels	Gaps
1	1	35.6%	279.6	1245	62.4%	0	1
2	2	62.4%	4.9e-70	269	269	6	1
3	3	62.4%	4.9e-70	269	269	6	1
4	4	62.4%	4.9e-70	269	269	6	1
5	5	62.4%	4.9e-70	269	269	6	1
6	6	62.4%	4.9e-70	269	269	6	1
7	7	62.4%	4.9e-70	269	269	6	1
8	8	62.4%	4.9e-70	269	269	6	1
9	9	62.4%	4.9e-70	269	269	6	1
10	10	62.4%	4.9e-70	269	269	6	1
11	11	62.4%	4.9e-70	269	269	6	1
12	12	62.4%	4.9e-70	269	269	6	1
13	13	62.4%	4.9e-70	269	269	6	1
14	14	62.4%	4.9e-70	269	269	6	1
15	15	62.4%	4.9e-70	269	269	6	1
16	16	62.4%	4.9e-70	269	269	6	1
17	17	62.4%	4.9e-70	269	269	6	1
18	18	62.4%	4.9e-70	269	269	6	1
19	19	62.4%	4.9e-70	269	269	6	1
20	20	62.4%	4.9e-70	269	269	6	1
21	21	62.4%	4.9e-70	269	269	6	1
22	22	62.4%	4.9e-70	269	269	6	1
23	23	62.4%	4.9e-70	269	269	6	1
24	24	62.4%	4.9e-70	269	269	6	1
25	25	62.4%	4.9e-70	269	269	6	1
26	26	62.4%	4.9e-70	269	269	6	1
27	27	62.4%	4.9e-70	269	269	6	1
28	28	62.4%	4.9e-70	269	269	6	1
29	29	62.4%	4.9e-70	269	269	6	1
30	30	62.4%	4.9e-70	269	269	6	1
31	31	62.4%	4.9e-70	269	269	6	1
32	32	62.4%	4.9e-70	269	269	6	1
33	33	62.4%	4.9e-70	269	269	6	1
34	34	62.4%	4.9e-70	269	269	6	1
35	35	62.4%	4.9e-70	269	269	6	1
36	36	62.4%	4.9e-70	269	269	6	1
37	37	62.4%	4.9e-70	269	269	6	1
38	38	62.4%	4.9e-70	269	269	6	1
39	39	62.4%	4.9e-70	269	269	6	1
40	40	62.4%	4.9e-70	269	269	6	1
41	41	62.4%	4.9e-70	269	269	6	1
42	42	62.4%	4.9e-70	269	269	6	1
43	43	62.4%	4.9e-70	269	269	6	1
44	44	62.4%	4.9e-70	269	269	6	1
45	45	62.4%	4.9e-70	269	269	6	1
46	46	62.4%	4.9e-70	269	269	6	1
47	47	62.4%	4.9e-70	269	269	6	1
48	48	62.4%	4.9e-70	269	269	6	1
49	49	62.4%	4.9e-70	269	269	6	1
50	50	62.4%	4.9e-70	269	269	6	1
51	51	62.4%	4.9e-70	269	269	6	1
52	52	62.4%	4.9e-70	269	26		

Db 721 AGAGGGGGCGA 732

RESULT 8
US-07-876-284-1
; Sequence 1, Application US/07876284
; Patent No. 527957
; GENERAL INFORMATION:
; APPLICANT: Gross, Richard W.
; TITLE OF INVENTION: No. 527957el Human Phospholipase A2 Polypeptide
; TITLE OF INVENTION: And Methods Of Use
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & No. 527957ris
; STREET: 1 Liberty Place, 46th Floor
; CITY: Philadelphia
; STATE: PA
; COUNTRY: USA
; ZIP: 19103
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/876,284
; FILING DATE: 19920430
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Hoheneschutz, Liza D.
; REGISTRATION NUMBER: 33,712
; REFERENCE/DOCKET NUMBER: SPNX-0109
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (215) 588-3100
; TELEFAX: (215) 568-3439
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 853 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA to mRNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 85..822
; US-07-876-284-1

Query Match 34.3%; Score 269.8; DB 1; Length 853;
Best Local Similarity 62.6%; Pred. No. 2.6e-67;
Matches 459; Conservative 0; Mismatches 262; Indels 12; Gaps 2;

QY 13 AGAAGAAGTGGTTTACATGGCTAGCTGGCTGACACAGGCTGAACGTTACGAGAAATG 72
Db 91 AAAAAATGAGTGGTTTCAGAGGCGCAAACTGGCGGACGAGCTGAGCGATATGACATG 150
QY 73 GTTGAATTCATGAAAAAGTTTCGGCTGCTGTTGACGGTGACGAACTGACCGTTGAAGA 132
Db 151 GAGCGCTGATGAG-----TCTGTAAGTACGAGAGAGCTGAATATCAATGAGAG 204
QY 133 CGTAACCTGCTGTCGTTGCTTACAAAAAGTTATCGGTGCTGCTGCTGCTGCTGCTG 192
Db 205 AGGAATCTTCTCTCAGTTCCTTATATAAATGTTGAGGAGCCGTTAGTTCATCTTGGAGG 264
QY 193 ATCATCTCTCCATCGAAGAGAGAGATCCCTGTTGAGGAGCAGCAGCTTACCGCT 252
Db 265 GTGCTCTCAAGTATTGAAACAAAGAGCGAAGTGTGAGAAAAACAGCAGATGCG---- 320
QY 253 ATCCGTGAATACCGTTTCCAAAAACGAAACCGAACTGTCGGTATCTGCGAGCGGTATCCTG 312
Db 321 --TCGAGATACAGAGAGAAATTTGAGCGGAGCTAAGAGATATCTGCAATGATGCTAG 378
QY 313 AAATCTCTGAGTCCCGCTGATCCCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 372

Db 379 TCTCTTTGGAAAAAGTTTGTGATCCCAATGCTTACAGAGCAGAGCAAGCTTCTTCTAT 438
QY 373 CTGAAATGAAGGTGACTACCAACCGGTACCTGGCTGAGTTTAAACACCGGTGAGAACGT 432
Db 439 TTGAAATGAAGGAGGATTAACCGTTACTTGGCTGAGGTTGCCGCTGGTGTATGACAAG 498
QY 433 AAAGACGCTGCTGAACACACACACCTGGCTGCTTCAAAATCCGCTCAGGACATCGCTAACGCT 492
Db 499 AAAGGATTTGCGATCGTCAACACAGCATACCAAGAGCTTTTGAATCAGCAAAAAG 558
QY 493 GAATGGCTCCGACCCACCGCATCCCTCTGGGCTCTGAGCTTCTCGGTTTCTTCTAC 552
Db 559 GAAATGCAACCAACACATCTATCAGACTGGGCTGGCCCTTAACTTCTCTGTTTCTAT 618
QY 553 TAGGAATCTGAACTCCCGGACCGCTGCTGCAACCTGGCTTAAACAGGCTTTCGACGAA 612
Db 619 TATGAGATTTGAACTCCCGGAGAGAAAGCGTCTCTCTTGCAGAGACAGCTTTTGATGAA 678
QY 613 GCTATGCTGAGCTCGACACACCTGGTGAAGAAATCCTACAAAGACTCCACCTGATCATG 672
Db 679 GCCATTGCTGAACCTTGATACATTAAAGTGAAGAGTATACAAAGACAGCAGCTAATAATG 738
QY 673 CAGCTGCTGGTGAACAACTGACCTGCTGAGACCTCGGACATCGGAGACAGCAGCTGCTGAC 732
Db 739 CAATTACTGAGAGACAACTTGACATTGTGACATCGGATACCCAGGAGACGAGCTGAA 798
QY 733 GAAATCAAGAGAG 745
Db 799 GCAGGAGAGAGAG 811

RESULT 9
US-08-276-151-8
; Sequence 8, Application US/08276151
; Patent No. 5597719
; GENERAL INFORMATION:
; APPLICANT: Freed, Ellen
; APPLICANT: Ruggieri, Rosamaria
; TITLE OF INVENTION: Interaction of raf-1 and 14-3-3 Proteins
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cooley Godward et al.
; STREET: Five Palo Alto Square
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/276,151
; FILING DATE: 14-JUL-1994
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Torchia, Ph.D., Timothy E
; REGISTRATION NUMBER: 36,700
; REFERENCE/DOCKET NUMBER: ONYX-005/00US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 843-5481
; TELEFAX: (415) 857-0663
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2834 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA to mRNA
; HYPOTHEICAL: NO
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens

FEATURE:
NAME/KEY: CDS
LOCATION: 85..822
US-08-276-151-8

Query Match 34.3%; Score 269.8; DB 1; Length 2834;
Best Local Similarity 62.6%; Pred. No. 4.4e-67;
Matches 459; Conservative 0; Mismatches 262; Indels 12; Gaps 2;

QY 13 AGGAAAGAACTGTTACATGCTACACCTGCTGAAACAGGCTGAAAGCTTACGAAAGAAATG 72
DB 91 AAAAAAGAGGTGTTAGAGAGGCAACCTGCGACGACGCTGAGGATATATAGACATG 150
QY 73 GTGAATTCATGAGAAAAGTTCCGCTGCTGTGACGTGACGAACTGACCGTTGAGAA 132
DB 151 GCAGCCTGATGAAAG-----TCTGTACTGAGCAAGAGAGCTGAAATTATCCATGAGAG 204
QY 133 CGTAACCTGCTGCTGCTGCTTCAAAAACGTTATGCTGCTGCTGCTGCTGCTGCTGCT 192
DB 205 AGGAATCTCTCTCAGTGTCTTAAATAATGTGTAGAGCCCGTGTGCTCATCTTGAGAG 264
QY 193 ATCATCTCCCTCCATCGACAGAAAGAAATCCCGTGTAAAGACGACGACCTTACCGCT 252
DB 265 GTCTCTCAAGTATTAAACAAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 320
QY 253 ATCCGTGAATACCGTTCCAAATCGAAACGAACTGCTCGGTATCTGCAACGCTATCTG 312
DB 321 --TCGAGAAATACAGAGAGAAATGAGACGAGACTAAGATATCTGCAATGATGATCTG 378
QY 313 AAACGTGTGACCTCCGCTGATCCCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 372
DB 379 TCTCTTTTGAAGAAATCTTGTATCCCATGCTTCAAGACAGAGAGAGAGAGAGAGAG 438
QY 373 CTGAAATGAGAGAGTGAATCAACCGGTACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 432
DB 439 TTGAAATGAGAGAGTGAATCAACCGGTACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 498
QY 433 AAGAGCCTGCTGACACACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 492
DB 499 AAGAGGATGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 558
QY 493 GAATGCTGCTGACACACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 552
DB 559 GAATGCAACACACACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 618
QY 553 TACGAAATCTGTAATCTCCCGGACCGTGTGCAACCTGCTGCAACGCTTTCAGCGAA 612
DB 619 TATGAGATGCTGAATCTCCGAGAGAAAGCTGCTCTCTTCAAAAGACAGCTTTGATGAA 678
QY 613 GCTATGCTGAGCTGCAACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 672
DB 679 GCTATGCTGAGCTGCAACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 738
QY 673 CAGTGTGCTGCTGCAACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 732
DB 739 CAATATCTGAGAGCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 798
QY 733 GAATCAAGAG 745
DB 799 GCAGAGAGAGAG 811

RESULT 10

US-08-276-151-6

Sequence 6, Application US/08276151

Patent No. 5597719

GENERAL INFORMATION:

APPLICANT: Freed, Ellen

APPLICANT: Ruggieri, Rosamaria

TITLE OF INVENTION: Interaction of raf-1 and 14-3-3 Proteins

NUMBER OF SEQUENCES: 9

CORRESPONDENCE ADDRESS:

ADDRESSEE: Cooley Godward et al.

STREET: Five Palo Alto Square
CITY: Palo Alto
STATE: CA
COUNTRY: USA

ZIP: 94036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/276,151
FILING DATE: 14-JUL-1994
CLASSIFICATION: 530

ATTORNEY/AGENT INFORMATION:
NAME: Torchia, Ph.D., Timothy E
REGISTRATION NUMBER: 36,700
REFERENCE/DOCKET NUMBER: ONYX-005/0005

TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 843-5481
TELEFAX: (415) 857-0663

INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 1213 base pairs
TYPE: nucleic acid

STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA to mRNA
HYPOTHETICAL: NO

ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: 373..1113

US-08-276-151-6

Query Match 33.5%; Score 263.4; DB 1; Length 1213;
Best Local Similarity 62.1%; Pred. No. 2e-65;
Matches 455; Conservative 0; Mismatches 266; Indels 12; Gaps 2;

QY 1 ATGGCTTCGGCAGAGAGAACTGTTTACATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 60
DB 373 ATGCAATGAGATTAAGAGAGCTGTTACAGAAACCAATCTGCTGAGAGCTGAGAGG 432
QY 61 TACGAAAGATGCTGTTGAATTAATGAAAGATTTCCGCTGCTGTTGACGAGAGAACTG 120
DB 423 TATGATGATGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 486
QY 121 ACCGTTGAAAGAGTAACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 180
DB 487 TCCAGAGAGAGAGAAATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 546
QY 181 GCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 240
DB 547 TCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 606
QY 241 CACGTTACCGGTATCCGGAATACCGTTCAGAAATCGAAATCGAAATCGGATATCTG 300
DB 607 CAGATG-----GCAAGAGTACCGTGAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 660
QY 301 GACGTTATCTGAAACTGCTGAGCTCCGCTGATCCCGGCTGCTGCTGCTGCTGCTGCTGCTGCT 360
DB 661 AATGATGTTCTGAGCTGCTGAGCAAAATATCTTATCCCAATGCTACCAACAGAAAGT 720
QY 361 AAAGTTTCTACCTGAAATTAAGAGTGAATCAACACCGGTACCTGCTGCTGCTGCTGCTGCT 420
DB 721 AAGGTGTTCTGAAATTAAGAGATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 780
QY 421 GCTCAGAGAGCTGAGAGCTGCTGAGACACACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 480
DB 781 GAGAGCAACAAACAAACACCTGCTGAGATCCAGAGAGCTTTCAGAGAGAGATTTGAA 840
QY 481 ATGCTTAACGCTGAACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 540

Db 841 ATTAGTAAGAAAGAAATGAGCCTCACACCCCAATTCGCTTGGTCTGCACTAAATTC 900
Qy 541 TCCGTTTCTACTACGAAATCTGAACTCCCGGACCGTGTGCAACCTGGCTAAACAG 600
Db 901 TCAGTCTTTTACTATGAGATCTTAAACTCTCTGAAAGGCGCTGTAGCTGCAAAAACG 960
Qy 601 GCTTTGAGGAAGCTATCGCTGAGCTCGACACCGCTGGTGAAGATCTTACAAAGACTCC 660
Db 961 GCATTGTGAAGCAATTCGTAATGGATACGCTGAATGAAGAGTCTTTATAAGACAGC 1020
Qy 661 ACCCTGATCATGAGCTGTGCTGCTGCAACCTGACCCCTGTGACCTCCGACATGCGAGC 720
Db 1021 ACTCTGATCATGAGTACTTAGGACATCTCACTCTGTGACATCGGAACACAGGA 1080
Qy 721 GAGCTGTCTGACG 733
Db 1081 GACGAAGGAGAGC 1093

RESULT 11
US-09-566-921-91
; Sequence 91, Application US/09566921
; Patent No. 6682888
; GENERAL INFORMATION:
; APPLICANT: Loring, Jeanne F.
; APPLICANT: Tingley, Debora W.
; APPLICANT: Edwards, Carla M.
; TITLE OF INVENTION: GENES EXPRESSED IN ALZHEIMER'S DISEASE
; FILE REFERENCE: PA-0024 US
; CURRENT APPLICATION NUMBER: US/09/566,921
; CURRENT FILING DATE: 2000-05-05
; NUMBER OF SEQ ID NOS: 138
; SOFTWARE: PERL Program
; SEQ ID NO 91
; LENGTH: 3268
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6682888 412068.12
; NAME/KEY: unsure
; LOCATION: 62, 115-180
; OTHER INFORMATION: a, t, c, g, or other
US-09-566-921-91

Query Match 33.5%; Score 263.4; DB 4; Length 3268;
Best Local Similarity 62.1%; Pred. No. 3.1e-65;
Matches 455; Conservative 0; Mismatches 266; Indels 12; Gaps 2;

Qy 1 ATGGCTCCGGCAGAGAGAACTGGTTTACATGGCTAGACTGGCTGAACAGGCTGAACGT 60
Db 386 ATGACAATCGATAAAGTAGTGCTGTACAGAAAGCCAACTCGCTGAGCAGGCTGAGGCG 445
Qy 61 TACGAAGAAATGGTTGAATTCATGAAAGTTTCGCTGCTGTGAGCGGTGACGAACGTG 120
Db 446 TATGATGATATGGTGCAGCCATGAGGCGATCAGAAC-----AGGGGATGAATC 499
Qy 121 ACGTTTGAAGACGTAACTGCTGTCCGTTGCTTTACAAAACGTTATCGGCTGCTGCT 180
Db 500 TCAACGAAGAGAGAAATCTGCTCTCTGTGCTCAAGATGTGGTAGGCGCCCGCGC 559
Qy 181 GCTTCTCGGCTATCATCTCTCCATCGAACAGAAAGAGATCCGTTGTAACGACG 240
Db 560 TCTTCTCGGCTGTCTATCTCCAGCATTTGAGCAGAAAACAGAGAGAAATGAGAGAGAG 619
Qy 241 CAGGTTACCGCTATCGGTGAATACCGTTCCAAAATCGAAACCGAACTGTCGGTATCTGC 300
Db 620 CAGATGG-----GCAAGAGTACCGTGAAGAGATAGAGGCGAGAACTGCAAGATCTGC 673
Qy 301 GACGGTATCTGAAACTGCTGACTCCCGTCTGATCCCGGCTGCTGCTCCGGTACTCC 360
Db 674 AATGATGTTCTGGAGCTGTGAGACAAATATCTTATTCCTCAATGCTTACACCAACCAAGT 733

Qy 361 AAAGTTTCTACTCGTAAATGAAAGGTGACTACCAACCGGTACTCGGTGCTGAGTTTAAAC 420
Db 734 AAGGTGTTCTACTTGAATGAAAGGAGATTAATTTAGGTATCTTTCTGAAGTGGCATCT 793
Qy 421 GGTGAGAAACGTAAAGCGCTGTAACACACACCGCTGGCTGCTTACAAATCCGCTCAGGAC 480
Db 794 GAGACAAACAAACCACTGTGTGAACTCCAGAGGCTTACCAGGAAGCATTTTGA 853
Qy 481 ATCGTAAACCTGAACTGGCTCCGACCCACCGATCCGCTCTGGGTCTGGCTCTGAACCTTC 540
Db 854 ATTAGTAAGAAAGAAATGACGCTTACACACCAATTCGCTCTGTGGTCTGGCACTAAATTC 913
Qy 541 TCGTTTCTACTACGAAATCTGAACTCCCGGACCGGCTGTCGAACTGGCTGAACAG 600
Db 914 TCAGTCTTTTACTATGAGATCTTAAACTCTCTGAAAAGGCGCTGTAGCTGGCAAAAACG 973
Qy 601 GCTTTGACGAAGCTATCGCTGAGCTCGACACACCGCTGGTGAAGAACTCTACAAAGACTCC 660
Db 974 GCATTGATGAAGCAATTCGTAATGGATACGCTGAATGAAGAGTCTTATAAGACAGC 1033
Qy 661 ACCCTGATCATGAGCTGTGCTGCTGACACCTGACCTGTGAGCCTCGGACATGCGAGGAC 720
Db 1034 ACTCTGATCATGAGTACTTAGGACAAATCTCACTCTGTGACATCGGAAAACCAAGGA 1093
Qy 721 GAGCTGTCTGACG 733
Db 1094 GACGAAGGAGAGC 1106

RESULT 12
US-07-887-072B-3
; Sequence 3, Application US/07887072B
; Patent No. 5424191
; GENERAL INFORMATION:
; APPLICANT: Frasad Ph.D., Gaddamanugu L.
; APPLICANT: Cooper M.D., Herbert L.
; TITLE OF INVENTION: EPITHELIAL CELL SPECIFIC DIFFERENTIATION
; TITLE OF INVENTION: MARKER
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Knobbe, Martens, Olson & Bear
; STREET: 501 W. Broadway, Suite 1700
; CITY: San Diego
; STATE: California
; COUNTRY: USA
; ZIP: 92101
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/887,072B
; FILING DATE: 20-MAY-1992
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Kirkpatrick Ph.D., Anita M.
; REGISTRATION NUMBER: 32,617
; REFERENCE/DOCKET NUMBER: NIH021.021A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 235-8550
; TELEFAX: (619) 235-0176
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1696 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; HYPOTHEICAL: NO
; ANTI-SENSE: NO
US-07-887-072B-3

Query Match 33.1%; Score 260; DB 1; Length 1696;
Best Local Similarity 61.7%; Pred. No. 2.2e-64;
Matches 470; Conservative 0; Mismatches 280; Indels 12; Gaps 3;

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QY 10 GCGAGAGAAAGCTGTTTACATGCTAGACTGCTGGAACAGCTTAACGAGAA 69
DB 172 GACCGCAGACGCTGCTGACCGCGCGGCTGCGCAGAGAGCGCTACGACGAC 231
QY 70 ATGCTTGAATTCATGAGAAAGTTTCCGCTGCTGTTGACCGGTACGAACTGACCTTGA 129
DB 232 ATGGCCCTCGGCATGAA-----GGGGGTGATGAGCTCAATGAACCTCTCTCAAGAA 285
QY 130 GAACGTAACTGCTGCTGCTGCTGCTTACAAAAGTTATCGTCTGCTGCTGCTTCTG 189
DB 286 GACCGAAACCTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 345
QY 190 GCTATCTCTCTCTCATGAGAAAGAAATCCCGGTGTAAGACGACGACGTTACC 249
DB 346 AGGCTATCAGCAGATCAGACGAGAGACATGCTGATGGAAATGAGAGAGCTGAG 405
QY 250 GCTATCGGTAAATCCGCTTCCAAATCGAAACGAACTGTCCGTAATCGGATC 309
DB 406 AAGGTGAAGGCTTACCGGAGAGAGATGAGAGAGAGCTGAGACGGTGTGCAACGATG 465
QY 310 CTGAAACTGCTGACCTCCGCTGATC---CCGCTGCTGCTTCCGGT--GACTCCAA 363
DB 466 CTGCGCTGCTGACAAATGTTCTCATGAGAACTGCAATGCTTCCAGTACGAGAG 525
QY 364 GTTTTCTACCTGAAAATGAAAGGTGACTACACCGGTAAGCTGCTGATTTAAACCGGT 423
DB 526 GTCTTCTACTGAAATGAAAGGCGACTACTACCGCTACCTGCGCAGAGCTTCTGCG 585
QY 424 CAGGAGCTAAAGCCTGCTGTAACACACCTGCTGCTTAAATCCGCTACGAGATC 483
DB 586 GAGAGAGAGAAAGTGTGTGAGAGGCTCTCAGAGGCGGCTTCAAGAGAGCTTCTGAGAT 645
QY 484 GCTAACGCTGAACTGGCTCCGACCCGATCCGCTGCTGCTGCTGCTGCTGCTGCTGCTG 543
DB 646 AGCAGAGAGACATGACGACCCACACACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 705
QY 544 GTTTTCTACTAGAAATCTGAACTCCCGGACCGTGTGCTGCAACCTGCTGTAACAGGCT 603
DB 706 GTCTTCTACTAGAGATCCAGAAATGCGCTGACAGAGGCTGCTCTCTAGCAAAAGAGCC 765
QY 604 TTGAGAGAACTATCCGCTGAGCTGACACCCCTGGGTGAAAGAAATCTTCAAAAGCTCCAC 663
DB 766 TTGAGAGAACTATCCGCTGAGCTGAGACACTAAAGAGATTTCTTAAAGACTTCCAG 825
QY 664 CTGATCATGAGCTGCTGCTGCTGCAACCTGACCTGCTGCTGCTGCTGCTGCTGCTGCTG 723
DB 826 CTGATCATGAGCTGCTGCTGCTGCAACCTGACCTGCTGCTGCTGCTGCTGCTGCTGCTG 885
QY 724 GCTGCTACCAATCAAAAGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 765
DB 886 GAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 927
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RESULT 13
US-08-466-444-3
Sequence 3, Application US/0846644
Patent No. 576676
GENERAL INFORMATION:
APPLICANT: Piraad Ph.D., Gaddamanugu L.
APPLICANT: Cooper M.D., Herbert L.
TITLE OF INVENTION: EPITHELIAL CELL SPECIFIC DIFFERENTIATION
TITLE OF INVENTION: MARKER
NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
ADDRESSEE: Knobe, Martens, Olson & Bear
STREET: 501 W. Broadway, Suite 1700
CITY: San Diego
STATE: California

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COUNTRY: USA  
ZIP: 92101  
COMPUTER READABLE FORM:  
MEDIUM TYPE: floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/466,444  
FILING DATE: 06-JUN-1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/887,072  
FILING DATE: 20-MAY-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: Kirkpatrick Ph.D., Anita M.  
REGISTRATION NUMBER: 32,617  
REFERENCE/DOCKET NUMBER: NIH021,021A  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (619) 235-8550  
TELEFAX: (619) 235-0176  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1696 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
US-08-466-444-3
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Query Match 33.1%; Score 260; DB 1; Length 1696;
Best Local Similarity 61.7%; Pred. No. 2.2e-64;
Matches 470; Conservative 0; Mismatches 280; Indels 12; Gaps 3;

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QY 10 GCGAGAGAAAGCTGTTTACATGCTAGACTGCTGGAACAGCTTAACGAGAA 69
DB 172 GACCGCAGACGCTGCTGACCGCGCGGCTGCGCAGAGAGCGCTACGACGAC 231
QY 70 ATGCTTGAATTCATGAGAAAGTTTCCGCTGCTGTTGACCGGTACGAACTGACCTTGA 129
DB 232 ATGGCCCTCGGCATGAA-----GGGGGTGATGAGCTCAATGAACCTCTCTCAAGAA 285
QY 130 GAAGTAACTGCTGCTGCTGCTGCTTACAAAAGTTATCGTCTGCTGCTGCTGCTGCTGCTG 189
DB 286 GACCGAAACCTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 345
QY 286 GACCGAAACCTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 345
QY 190 GCTATCATCTCTCATGAGAAAGAAATCCCGGTGTAAGACGACGTTACC 249
DB 346 AGGCTATCAGCAGATCAGACGAGAGACATGCTGATGGAAATGAGAGAGCTGAG 405
QY 250 GCTATCGGTAAATCCGCTTCCAAATCGAAACGAACTGTCCGTAATCGGATC 309
DB 406 AAGGTGAAGGCTTACCGGAGAGAGATGAGAGAGAGCTGAGACGGTGTGCAACGATG 465
QY 310 CTGAAACTGCTGACCTCCGCTGATC---CCGCTGCTGCTTCCGGT--GACTCCAA 363
DB 466 CTGCGCTGCTGACAAATGTTCTCATGAGAACTGCAATGACTTCCAGTACGAGAG 525
QY 364 GTTTTCTACTGAAAATGAAAGGTGACTACACCGGTAACCTGCTGATTTAAACCGGT 423
DB 526 GTCTTCTACTGAAATGAAAGGCGACTATACCGCTGCTGCTGCTGCTGCTGCTGCTGCTG 585
QY 604 CAGGAGCTAAAGAGCTGCTGGAACACACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 723
DB 826 CTGATCATGAGCTGCTGCTGCTGCAACCTGACCTGCTGCTGCTGCTGCTGCTGCTGCTG 885
QY 724 GCTGCTACCAATCAAAAGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 765
DB 886 GAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 927
QY 544 GTTTTCTACTAGAAATCTGAACTCCCGGAGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 603
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Db      706  GTGTTCTACTAGAGATCAGAATCGCGCTGAGCAGCGCTGCTCTCTAGCCAAACAAGCC  765
QY      604  TTGCGAGAACTATCGCTGAGCTGCACACCCCTGGGTGAAGAATCTTACAAAGACTCCACC  663
Db      766  TTGCGACGACCCATAGCCGAGCTGCACACATAAAACGAGGATTCTTATAAGGACTCCACG  825
QY      664  CTGATCATCAGCTGCTGCGTGACAACTGACCTGACCCCTGTGGACCTTCGCACATGCAGAGCAG  723
Db      826  CTCATCATCAGCTGCTGCGAGCAACTCTACCTCTTGGACGAGCACCAGCAGGACGAG  885
QY      724  GCTGCTGACGAATCAAGAAGCTGCTGCTCCGAAACCGACC  765
Db      886  GAAGCCGGAGAGGCAACTGAGCGCCTTGGCCCGCCCGCCGCC  927

RESULT 14
US-09-266-225D-7
; Sequence 7, Application US/09266225D
; Patent No. 6573364
; GENERAL INFORMATION:
; APPLICANT: Nandabalan, Krishan
; APPLICANT: Kingsmore, Stephen
; APPLICANT: Tchernev, Velizar
; TITLE OF INVENTION: Isolation and Characterization of Hermansky-Pudlak
; TITLE OF INVENTION: Syndrome (HPS) Protein Complexes and HPS Protein-
; FILE REFERENCE: Interacting Proteins
; CURRENT APPLICATION NUMBER: US/09/266.225D
; CURRENT FILING DATE: 1999-03-10
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 7
; LENGTH: 1730
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-266-225D-7

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Qy	484	GCTAACGCTGAACCTGGCTCCGACCCACCCGATCCGCTCTGGGTCTGGCTCTGAACCTCTCC	541
Db	672	AGCAAGAGCAGATGCAACCCACGCATCCCATCGGCTGGGCTGGCCCTCAACTCTCC	731
Qy	544	GTTTCTCTACTACGAAATCCCTGAACCTCCCGGACCGCTGCTTGCAACCTGGCTAAACAGGCT	603
Db	732	GTGTTCTCTACTATGAGATCCAGATGCACCTGAGCAAGCCTGCCTCTTTAGCCAAACAGCC	791
Qy	604	TTTCGACGAAGCTATGCTGAGCTCGACACCCCTGGGTGAAGAATCTTACAAAAGACTCCACC	663
Db	792	TTTCGATGATGCATAGCTGAGCTGGACACACTAAACGAGGATTCCTTATAAGGACTCCACG	851
Qy	664	CTGATCATGCAAGCTGCTGCGTGACAACTCACCCTGTGGACCTCCGCACATGCAGGACGAC	723
Db	852	CTGATCATGCAATGTGCTGCGAGACAACCTCACCTCTGGACGAGCGACGACGAGATGAA	911
Qy	724	GCTGCTGACGAATCAA	740
Db	912	GAAGCAGGAGAAGCAA	928

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RESULT 15
US-09-621-976-2935
; Sequence 2935, Application US/09621976
; Patent No. 6639083
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Jobert, S.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET.054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.pm
; SEQ ID NO 2935
; LENGTH: 471
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 123...407
; NAME/KEY: misc.feature
; LOCATION: 427,445..446
; OTHER INFORMATION: n=a, g, c o r t
US-09-621-976-2935

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Mon Jun 7 09:14:19 2004

us-09-507-166-38.rn1

Page 11

Db 298 TTATCATGCGAGTGTGTTACGTGATATCTGACACTATGACTTCAGACATGCGGGTGACG 357
Qy 725 CTGCTGACGAAATCAAAGAGC 746
Db 358 CTGAAGACGAGATTAAGAGC 379

Search completed: June 7, 2004, 00:43:04
Job time : 95 secs